

DEPARTMENT OF THE ARMY INTERFACE STANDARD

CONFIGURATION MANAGEMENT DATA INTERFACE



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AREA CMAN

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AMC-STD-2549A

FOREWORD

1. This U.S. Army Materiel Command Standard (AMC-STD) is approved for use by the Department of the Army and is available for use by all Departments and Agencies of the Department of Defense (DoD).
2. This standard is the result of joint efforts of the military services and industry and is based on sound configuration management principles. It was developed in conjunction with American National Standards Institute/ Electronic Industries Alliance (ANSI/EIA) Standard 649, "National Consensus Standard for Configuration Management." The Government Electronics & Information Technology Association (GEIA) has undertaken a standardization project in partnership with the DoD to develop a new series of related standards that will emerge incrementally as EIA-836. AMC-STD-2549A will be cancelled upon publication of the industry standard(s).
3. While this standard accommodates the maximum range of data potentially required by the Army and other services for configuration management of materiel and supporting technical data, it also provides the tailoring guidance necessary to assure that only the minimum essential data are acquired.
4. This standard has a broad enough scope to ensure correlation among diversified Government and industry users. Use of this standard will improve the cost effectiveness of the generation, maintenance, acquisition, and use of technical data, and will facilitate interoperability of dis-similar data systems by:
 - a. Standardizing a set of neutral data element definitions (DEDs) encompassing values, field lengths, and formats, which are harmonized with other DoD, national, and international standards.
 - b. Providing a set of standard transactions to:
 - (1) Facilitate interaction among industry and Government data systems.
 - (2) Support integrated data and virtual repository environments, reducing redundancy, and facilitating timely access.
5. Beneficial comments that may be of use in improving this document should be addressed to US Army Armament Research, Development and Engineering Center, ATTN: AMSTA-AR-QAW-E, Picatinny Arsenal, NJ 07806-5000 or by electronic mail to: lees@pica.army.mil.

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1 SCOPE

1.1 Scope.

This standard prescribes data elements, data element definitions, and data element relationships. The data relationships are based on business rules derived from the CM principles contained in ANSI/EIA649. Data to be exchanged are arranged in data information packets that share common data elements. Each packet represents a specific data exchange transaction in the form of a sequential bit-stream. The bit-stream representation, which is only one of many ways to transfer data, also provides the basis for other methods such as standard Extensible Markup Language (XML) Document Type Definitions (DTDs). In conjunction with the ANSI/EIA documents, this standard enables the configuration management and integrated data management requirements of DoD 5000.2-R to be implemented in a manner that is consistent with best industry practice.

1.2 Applicability.

This standard applies to all activities responsible for procuring, recording, maintaining, and disseminating configuration management information, contract-deliverable data, or other product information. The applicability of specific appendices is addressed in Section 4.

1.3 Tailoring of requirements.

This standard does not assign configuration management requirements and is never to be cited in its entirety as a requirement; all such requirements are not binding. Requirements of this standard are applicable only to the extent that selected portions of specific data information packets (DIPs) support the data requirements identified in a tasking directive or contract. The selection of DIPs is tailored to suit the life-cycle phase, complexity, size, intended use (including joint and combined interoperability), mission criticality, and logistics support of systems/configuration items (CIs). (See Appendixes A and E.)

2 APPLICABLE DOCUMENTS

This section does not apply to this standard since there are no documents referenced in Sections 3, 4 or 5. Section 6 contains several useful references.

3 DEFINITIONS

3.1 Acronyms/Abbreviations.

Acronyms/Abbreviations of general terms used in this standard are defined as follows:

| Acronym/Abbreviation | Meaning |
|-----------------------------|---|
| AA | Application Activity |
| ABL | Allocated Baseline |
| ACD | Allocated Configuration Documentation |
| AECMA | Association Europeenne des Constructeurs de Materiel Aerospace |
| AFB | [U.S.] Air Force Base |
| AFI | [U.S.] Air Force Instruction |
| AFR | [U.S.] Air Force Regulation |
| AGE | Aerospace Ground Equipment |
| AIS | Automated Information System |
| AMC | [U.S.] Army Materiel Command |
| AMSDL | Acquisition Management Systems and Data Requirements Control List |
| ANSI | American National Standards Institute |
| AP | Application Protocol |
| AR | [U.S.] Army Regulation |
| ARDEC, AR | [U.S. Army] Armament Research, Development and Engineering Center |
| ASCH | American Standard Code for Information Interchange |
| ASME | American Society of Mechanical Engineers |
| ASSIST | Acquisition Streamlining and Standardization Information System |
| ASTM | American Society for the Testing of Materials |

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| Acronym/Abbreviation | Meaning |
|-----------------------------|--|
| AutoCad | Automated Computer-aided design |
| CAGE | Commercial and Government Entity |
| CALS | Continuous Acquisition and Life-cycle Support |
| CCB | Configuration Control Board, Configuration Change Board |
| CCBD | Configuration Control Board Directive |
| CDCA | Current Document Change Authority |
| CDRL | Contract Data Requirements List |
| CFR | Code of Federal Regulations |
| CI | Configuration Item |
| CITIS | Contractor Integrated Technical Information Service |
| CLIN | Contract Line Item Number |
| CM | Configuration Management |
| CMP | Configuration Management Plan |
| CPIN | Computer Program Identification Number |
| CSA | Configuration Status Accounting |
| CSCI | Computer Software Configuration Item |
| DCMC | [U.S.] Defense Contract Management Command |
| DDRS | [U.S.] Department of Defense Data Repository System |
| DED | Data Element Definition |
| DFARS | [U.S.] Defense Department Supplement to the Federal Acquisition Regulation |
| DID | Data Item Description |
| DIN | Data Item Number, Deutsches Institute fur Normung |
| DIP | Data Information Packet |
| DLA | [U.S.] Defense Logistics Agency |
| DM | Data Management |
| DOCSUP | Document Supplement |
| DoD | [U.S.] Department of Defense |
| DoDD | [U.S.] Department of Defense Directive |
| DOD-STD | [U.S.] Military Standard |
| DODISS | [U.S.] Department of Defense Index of Specifications and Standards |
| DOE | [U.S.] Department of Energy |
| DOT | [U.S.] Department of Transportation |
| DTD | Document Type Definition |
| DTIC | [U.S.] Defense Technical Information Center |
| DWG | Drawing |
| ECP | Engineering Change Proposal |
| EIA | Electronic Industries Association |
| Email, E-Mail | Electronic mail |
| EMD | Engineering and Manufacturing Development |
| FBL | Functional Baseline |
| FCA | Functional Configuration Audit |
| FCD | Functional Configuration Documentation |
| FFT | First Flight Test |
| FIPS | Federal Information Processing Standards |
| FSC | [U.S.] Federal Supply Class |
| G&A | General and Administrative |
| GEIA | Government Electronics & Information Technology Association |
| GENDOC | General Document |
| GFD | Government-Furnished Documents |
| GFE | Government-Furnished Equipment |
| GFP | Government-Furnished Property |
| GPO | Government Printing Office |
| HWCI | Hardware Configuration Item |
| IBM | International Business Machine Corporation |

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| Acronym/Abbreviation | Meaning |
|-----------------------------|---|
| ICD | Interface Control Drawing, Interface Control Documentation, International Code Designator |
| IDEF1X | Integration Definition for Information Modeling |
| IEEE | Institute of Electrical and Electronics Engineering |
| IGES | Initial Graphics Exchange Specification |
| IPT | Integrated Product Team |
| ISO | International Standardization Organization |
| MACHALT | Machinery Alteration |
| MICOM | [U.S. Army] Missile Command |
| MIL | [U.S.] Military Specification |
| MIL-DTL | [U.S.] Military Detail Specification |
| MIL-HDBK | [U.S.] Military Handbook |
| MIL-PRF | [U.S.] Military Performance Specification |
| MIL-STD | [U.S.] Military Standard |
| MODINST | Modification Instruction |
| MS | [U.S.] Military Standard |
| MWO | Modification Work Order |
| NAS | [U.S.] National Aerospace Standard |
| NATO | North Atlantic Treaty Organization |
| NAVAIR | [U.S.] Naval Air Systems Command |
| NAVAIRINST | [U.S.] Naval Air Systems Command Instruction |
| NAVMATINST | [U.S.] Naval Materiel Systems Command Instruction |
| NOR | Notice of Revision |
| NSCM | NATO Supply Code for Manufacturers |
| NSN | National Stock Number |
| OPNAVINST | Instruction |
| OS | [U.S.] Naval Surface Warfare Center |
| OSD | [U.S.] Office of the Secretary of Defense |
| PAN | Procuring Activity Number |
| PBL | Product Baseline |
| PCA | Physical Configuration Audit |
| PCD | Product Configuration Documentation |
| PD&RR | Program Definition and Risk Reduction |
| PDM | Product Data Management [System] |
| PDR | Preliminary Design Review |
| PIN | Part or Identification Number |
| POC | Point of Contact |
| RAC | Rapid Action Change [order] |
| RFD | Request For Deviation |
| SAE | Society of Automotive Engineers |
| SD | Standardization Document |
| SDR | System Design Review |
| SFR | System Functional Review |
| SOW | Statement of Work |
| SPEC | Specification |
| SSAN | Social Security Account Number |
| SSR | Software Specification Review |
| STANAG | Standard NATO Agreement |
| STDDOC | Standardization Document |
| STEP | Standard for the Exchange of Product model data |
| SW | Software |
| SWDOC | Software Documentation |
| TCTO | Time-compliance Technical Order |
| TM, TECHMAN | Technical Manual |

| Acronym/Abbreviation | Meaning |
|----------------------|-----------------------------------|
| TO | [USAF] Technical Order |
| TOPS | Technical Order Page Supplement |
| TPS | Test Program Set |
| URL | Uniform Resource Locator |
| U.S. | United States [of America] |
| USAF | United States Air Force |
| UTC | Universal Coordinated Time |
| VECP | Value Engineering Change Proposal |
| XML | Extensibility Markup Language |

3.2 Definitions.

Definitions for configuration management terms used in this standard are consistent with ANSI/EIA 649. The terms defined below are used primarily in Appendix C.

- 3.2.1 Affected Document. (1) The document that will require change as a result of approval of an Engineering Change Proposal (ECP) (2) The document that contains the requirements for which a Request For Deviation (RFD) is being submitted or (3) The document that is being changed by a Notice of Revision (NOR).
- 3.2.2 Allocated Baseline (ABL). The approved allocated configuration documentation.
- 3.2.3 Allocated Configuration Documentation (ACD). The documentation describing a CI's functional, performance, interoperability, and interface requirements that are allocated from those of a system or higher level configuration item; interface requirements with interfacing configuration items; and the verifications required to confirm the achievement of those specified requirements.
- 3.2.4 Application Activity (AA). An activity that has selected an item or a document for use on programs under its control. However, it is not the current document change authority.
- 3.2.5 Approval. The agreement that a configuration item or document is complete and suitable for its intended use.
- 3.2.6 Approved Document (or Data). Document that has been approved by an appropriate authority and is the official (identified) version of the document until replaced by another approved version.
- 3.2.7 Archived Document (or Data). Working, Released or approved document that is to be retained for historical purposes
- 3.2.8 Assembly. A number of basic parts or subassemblies, or any combination thereof, joined together to perform a specific function. Typical examples are: electric generator, audio-frequency amplifier, power supply.
- 3.2.9 Component. A single part, or any combination of parts, subassemblies, and assemblies mounted together.
- 3.2.10 Computer database. See Database.
- 3.2.11 Computer software. See Software.
- 3.2.12 Computer Software Configuration Item (CSCI). A configuration item that is computer software.
- 3.2.13 Computer software documentation. Technical data or information, including computer listings, regardless of media, which document the requirements, design, or details of computer software; explain the capabilities and limitations of the software; or provide operating instructions for using or supporting computer software.
- 3.2.14 Configuration. The performance, functional, and physical attributes of an existing or planned product, or a combination of products.

- 3.2.15 Configuration audit. See: Functional Configuration Audit (FCA), and Physical Configuration Audit (PCA).
- 3.2.16 Configuration baseline (baseline). (1) Configuration of an item, formally established at a specific point in time, which serves as a reference for further activities. (2) An approved and released document, or a set of documents, each of a specific revision; the purpose of which is to provide a defined basis for managing change. (3) The currently approved and released configuration documentation. (4) A released set of files comprising a software version and associated configuration documentation. See: Allocated Baseline (ABL), Functional Baseline (FBL), and Product Baseline (PBL).
- 3.2.17 Configuration control. (1) A systematic process which ensures that changes to released configuration documentation are properly identified, documented, evaluated for impact, approved by an appropriate level of authority, incorporated, and verified. (2) The configuration management activity concerning: the systematic proposal, justification, evaluation, coordination, and disposition of proposed changes; and the implementation of all approved and released changes into (a) the applicable configurations of a product, (b) associated product information, and (c) supporting and interfacing products and their associated product information.
- 3.2.18 Configuration Control Board (CCB). A board composed of technical and administrative representatives who recommend approval or disapproval of proposed engineering changes to, and proposed deviations from, a CI's current approved configuration documentation.
- 3.2.19 Configuration Control Board Directive (CCBD). The document that records the Engineering Change Proposal (ECP) or Request for Deviation (RFD) approval (or disapproval) and, if approved, provides the direction to the Performing Activities to incorporate the ECP or RFD into the identified contract(s) and tasking directives, and incorporate the ECP into the technical documents.
- 3.2.20 Configuration documentation. Technical information, the purpose of which is to identify and define a product's performance, functional, and physical attributes (e.g., specifications, drawings). (See also: Allocated Configuration Documentation [ACD], Functional Configuration Documentation [FCD], and Product Configuration Documentation [PCD].)
- 3.2.21 Configuration identification. Activities comprising determination of the product structure, selection of configuration items, documenting the configuration item's physical and functional characteristics including interfaces and subsequent changes and allocating identification characteristics or numbers to the configuration items and their documents.
- 3.2.22 Configuration Item (CI). Aggregation of hardware, software, processed materials, services, or any of its discrete portions, that is designated for configuration management and treated as a single entity in the configuration management process.
- Note:** The terms "CI" and "Product" are identified as aliases in ANSI/EIA 649 and are used interchangeably within this standard.
- 3.2.23 Configuration Management (CM). A management process for establishing and maintaining consistency of a product's performance, functional, and physical attributes with its requirements, design and operational information throughout its life.
- 3.2.24 Configuration Management Plan (CMP). The document defining the organization and procedures for the configuration management of a specific product or program.
- 3.2.25 Configuration Status Accounting (CSA). Formalized recording and reporting of the established configuration documents, the status of proposed changes, and the status of the implementation of approved changes.
- 3.2.26 Contract. As used herein, denotes the document (for example, contract, memorandum of agreement/ understanding, purchase order) used to implement a binding agreement between a tasking activity (e.g., *buyer*) and a performing activity (e.g., *seller*).
- 3.2.27 Contractual acceptance of data. The action taken by the tasking activity signifying that an item submitted or delivered by the performing activity complies with the requirements of the contract.

- 3.2.28 Current Document Change Authority (CDCA). The activity currently responsible for the content of a drawing, specification, or other document and which has the sole authority for approval of changes to that document. (See also: Application Activity [AA], Approval, Document Custodian.)
- 3.2.29 Data. Recorded information of any nature (including administrative, managerial, financial, and technical) regardless of medium or characteristics. (See also: Data item, Document.)
- 3.2.30 Database. A collection of related data stored in one or more computerized files in a manner that can be accessed by users or computer programs via a database management system.
- 3.2.31 Data item. A document or collection of documents that must be submitted by the performing activity to the procuring or tasking activity to fulfill a contract or tasking directive for the delivery of information.
- 3.2.32 Defect. Any nonconformance of a characteristic with specified requirements.
- 3.2.33 Deficiencies. Deficiencies consist of two types:
 - a. conditions or characteristics in an item which are not in accordance with the item's approved configuration documentation; or
 - b. inadequate (or erroneous) configuration documentation which has resulted, or may result, in units of the item that do not meet the requirements for the item.
- 3.2.34 Defining Document. The document that describes the physical attributes of a part, component, assembly, subassembly, or system.
- 3.2.35 Design change. See Engineering change.
- 3.2.36 Deviation. A specific written authorization to depart from a particular requirement(s) of an item's current approved configuration documentation for a specific number of units or a specified period of time, and to accept an item which is found to depart from specified requirements, but nevertheless is considered suitable for use "as is" or after repair by an approved method. (A deviation differs from an engineering change in that an approved engineering change requires corresponding revision of the item's current approved configuration documentation, whereas a deviation does not.)
- 3.2.37 Distribution Statement. A statement used in marking a technical document to denote the extent of its availability for distribution, release, and disclosure without need for additional approvals and authorizations from the controlling DoD office.
- 3.2.38 Document. A self-contained body of information or data that can be packaged for delivery on a single medium. Some examples of documents are: drawings, reports, standards, databases, application software, engineering designs, virtual part-models, etc.
- 3.2.39 Document custodian. The activity charged with the physical and electronic safekeeping and maintenance of the "original" document.
- 3.2.40 Document representation. (1) A set of digital files which collectively represent the entire document. (For example: a set of raster files or a set of Initial Graphics Exchange Specification (IGES) files.) A document may have more than one document representation. (2) A document in a non-digital form. (For example: paper, punched card set, or stable-base drawing.)
- 3.2.41 Engineering change. Any alteration to a product or its approved configuration documentation.
- 3.2.42 Engineering Change Proposal (ECP). The documentation by which a proposed engineering change is described, justified, and submitted to the current document change authority for approval or disapproval of the design change in the item and its documentation.
- 3.2.43 Exchange protocol: Agreed upon rules that govern transmitting and receiving data.

- 3.2.44 Firmware. The combination of a hardware device and computer instructions or computer data that reside as read only software on the hardware device.
- 3.2.45 Fit. The ability of an item to physically interface or interconnect with or become an integral part of another item.
- 3.2.46 Form. The shape, size, dimensions, mass, weight, and other physical parameters that uniquely characterize an item. For software, form denotes the language and media.
- 3.2.47 Function. The action or actions that an item is designed to perform.
- 3.2.48 Functional Baseline (FBL). The approved functional configuration of an item and its documentation.
- 3.2.49 Functional characteristics. Quantitative performance parameters and design constraints, including operational and logistic parameters and their respective tolerances. Functional characteristics include all performance parameters, such as range, speed, lethality, reliability, maintainability, and safety.
- 3.2.50 Functional Configuration Audit (FCA). The formal examination of functional characteristics of a configuration item, or system to verify that the item has achieved the requirements specified in its functional and/or allocated configuration documentation.
- 3.2.51 Functional Configuration Documentation (FCD). The documentation describing the system's functional, performance, interoperability, and interface requirements and the verifications required to demonstrate the achievement of those specified requirements.
- 3.2.52 Hardware. Products made of material and their components (mechanical, electrical, electronic, hydraulic, pneumatic). Computer software and technical documentation are excluded.
- 3.2.53 Hardware Configuration Item (HWCI). See Configuration Item (CI).
- 3.2.54 Interchangeable item. A product which possesses such functional and physical attributes as to be equivalent in performance to another product of similar or identical purposes; and is capable of being exchanged for the other product without selection for fit or performance, and without alteration of the products themselves or of adjoining products, except for adjustment.
- 3.2.55 Interface. The performance, functional, and physical characteristics required to exist at a common boundary.
- 3.2.56 Interface control. The process of identifying, documenting, and controlling all performance, functional and physical attributes relevant to the interfacing of two or more products provided by one or more organizations.
- 3.2.57 Interface Control Documentation (ICD). Interface control drawing or other documentation that depicts physical, functional, performance, and test interfaces of related or co-functioning products.
- 3.2.58 Interoperability. The ability to exchange information and operate effectively together.
- 3.2.59 Item. A nonspecific term used to denote any product, including systems, materiel, parts, subassemblies, sets, accessories, etc.
- 3.2.60 Life cycle cost. The total cost to the tasking activity of acquisition and ownership of an item over its life cycle. As applicable, it includes the cost of development, production, support, and, disposal.
- 3.2.61 Lot number. An identifying number consisting of alpha and numeric characters which, in conjunction with a manufacturer's identifying Commercial and Government Entity (CAGE) Code and a Product-Tracking Base-Identifier, uniquely identifies a group of units of the same item which are manufactured or assembled by one producer under uniform conditions and which are expected to function in a uniform manner.

- 3.2.62 Materiel. A generic term covering systems, equipment, stores, supplies, and spares, including related documentation, manuals, computer hardware, and software.
- 3.2.63 Nomenclature. (1) The combination of a Government-assigned designation and an approved item name. (2) Names assigned to kinds and groups of products. (3) Formal designations assigned to products by customer or supplier (such as model number, or model type, design differentiation, specific design series or configuration.)
- 3.2.64 Nonconformance. The failure of a unit or product to meet a specified requirement.
- 3.2.65 Nonrecurring costs. As applied to an ECP, one-time costs that will be incurred if an engineering change is approved and which are independent of the quantity of items changed, such as cost of redesign or development testing.
- 3.2.66 Notice of Revision (NOR). A document used to define revisions to approved configuration documentation which require revision after Engineering Change Proposal approval. May also be known as a Drawing Change Notice, Advance Drawing Change Notice, Alteration Notice, Change In Design, Engineering Change Notice, Engineering Change Order, Engineering Notice or Engineering Order. (See also Engineering Change Proposal [ECP].)
- 3.2.67 Original. The CDCA's documents or digital document representation and associated source data file(s) of record.
- 3.2.68 Original design activity. The design activity originally responsible for the design and identification of an item whose drawing number and activity identification is shown in the title block of the drawings and associated documents.
- 3.2.69 Part. For the purposes of this standard, the generic term "part" is used to describe both parts and materials. Parts are: (1) one or more pieces joined together that are not normally subjected to disassembly, (2) subassemblies, or (3) assemblies of parts and materials. Materials are substances that are applied to parts or out of which a part is made.
- 3.2.70 Performing activity. An activity performing any of the requirements contained in a contract or tasking directive. A "Performing Activity" can be either a contractor or Government activity.
- 3.2.71 Physical characteristics (attributes). Quantitative and qualitative expressions of material features, such as composition, dimensions, finishes, form, fit, and their respective tolerances.
- 3.2.72 Physical Configuration Audit (PCA). The formal examination of the "as-built" configuration of a configuration item against its physical characteristics as defined in its product configuration documentation to establish or verify the configuration item's product baseline.
- 3.2.73 Product Baseline (PBL). The approved product configuration of an item and its documentation.
- 3.2.74 Product Configuration Documentation (PCD). A CI's detail design documentation including those verifications necessary for accepting product deliveries (first article and acceptance inspections.) Based on program production/procurement strategies, the design information contained in the PCD can be as simple as identifying a specific part number or as complex as full design disclosure.
- 3.2.75 Product-tracking base-identifier. An unchanging identifier used as a base for the assignment of serial numbers to uniquely identify individual units of an item or lot numbers to uniquely identify groups of units of an item. The product-tracking identifier is used rather than the Part or Identifying Number (PIN) because the PIN is altered to reflect a new configuration when the item it identifies is modified. The same product-tracking base-identifier may be used for several similar items (usually defined by a common document) and requires that each such item is assigned serial or lot numbers distinct from each other such item.
- 3.2.76 Product Tracking Identifier. A generic term that refers to the sequentially assigned alphanumeric identifier applied to a product to differentiate units of the product or groups of the product. This may be a Government serial (or hull) number, manufacturer's serial number, lot number or date code.

- 3.2.77 Recurring costs. Costs that are incurred on a per-unit basis for each item changed or for each service or document ordered.
- 3.2.78 Reference Document. Design activity standards, drawings, specifications, or other documents referenced on drawings or lists.
- 3.2.79 Release. The designation by the originating activity that a document representation or software version is approved by the appropriate authority and is subject to configuration change management procedures.
- 3.2.80 Released Document (Data): (1) Document that has been released after review and internal approvals. (2) Document that has been provided to others outside the originating group or team for use (as opposed to for comment).
- 3.2.81 Repair. A procedure which reduces, but does not completely eliminate, a nonconformance. Repair is distinguished from rework in that the characteristic after repair still does not completely conform to the applicable drawings, specifications, or contract requirements.
- 3.2.82 Repairable Item. Any part or assembly which, upon failure or malfunction, is intended to be repaired or reworked.
- 3.2.83 Replacement item. An item which is interchangeable with another item, but which differs physically from the original item in that the installation of the replacement item requires operations such as drilling, reaming, cutting, filing, shimming, etc., in addition to the normal application and methods of attachment.
- 3.2.84 Retrofit. The incorporation of new design parts or software code, resulting from an approved engineering change, to a product's current approved product configuration documentation into products already delivered to and accepted by customers.
- 3.2.85 Retrofit Instruction. The document that provides specific, step-by-step instructions about the installation of parts in delivered units to bring their configuration up to that approved by an ECP. (Sometimes referred to as Alteration Instruction, Modification Work Order, Technical Directive, or Time Compliance Technical Order.)
- 3.2.86 Rework. A procedure applied to a product to eliminate a nonconformance to the drawings, specifications, or contract requirements that will completely eliminate the nonconformance and result in a product that conforms completely.
- 3.2.87 Serial number. An identifying number consisting of alpha and numeric characters which is assigned sequentially in the order of manufacture or final test and which, in conjunction with a manufacturer's identifying CAGE code, uniquely identifies a single item within a group of similar items identified by a common product-tracking base-identifier.
- 3.2.88 Software. Computer programs and computer databases.
- 3.2.89 Specification. A document that explicitly states essential technical attributes/requirements for a product and procedures to determine that the product's performance meets its requirements/attributes.
- 3.2.90 Substitute item. An item that possesses such functional and physical characteristics as to be capable of being exchanged for another item only under specified conditions or in particular applications and without alteration of the items themselves or of adjoining items.
- 3.2.91 Supporting Document. A document that provides additional technical information to support a request for engineering change/deviation (ECP/RFD).
- 3.2.92 Support equipment. Equipment and computer software required to maintain, test, or operate a product or facility in its intended environment.
- 3.2.93 Survivability. The capability of a system to avoid or withstand a hostile environment without suffering an abortive impairment of its ability to accomplish its designated mission.

- 3.2.94 System. A self-sufficient unit in its intended operational environment, which includes all equipment, related facilities, material, software, services, and personnel required for its operation and support.
- 3.2.95 Tasking activity. An activity that imposes the requirements contained in a contract or tasking directive on a performing activity, (for example, a Government Contracting Activity that awards a contract to a contractor, a Government Program Management Office that tasks another Government activity, or a contractor that tasks a subcontractor.)
- 3.2.96 Technical data. Technical data is recorded information (regardless of the form or method of recording) of a scientific or technical nature (including computer software documentation.)
- 3.2.97 Technical data package. A technical description of an item adequate for supporting an acquisition strategy, production, engineering, and logistics support. The description defines the required design configuration and procedures required to ensure adequacy of item performance. It consists of all applicable technical data such as drawings and associated lists, specifications, standards, performance requirements, quality assurance provisions, and packaging details.
- 3.2.98 Technical documentation. See Technical data.
- 3.2.99 Technical reviews. A series of system engineering activities by which the technical progress on a project is assessed relative to its technical or contractual requirements. The reviews are conducted at logical transition points in the development effort to identify and correct problems resulting from the work completed thus far before the problems can disrupt or delay the technical progress. The reviews provide a method for the performing activity and tasking activity to determine that the development of a configuration item and its documentation have a high probability of meeting contract requirements.
- 3.2.100 Training equipment. All types of maintenance and operator training hardware, devices, audio-visual training aids, and related software which are:
 - a. used to train maintenance and operator personnel by depicting, simulating, or portraying the operational or maintenance characteristics of an item or facility;
 - b. kept consistent in design, construction, and configuration with such items in order to provide required training capability.
- 3.2.101 Version. (1) One of several sequentially created configurations of a data product. (2) A supplementary identifier used to distinguish a changed body or set of computer-based data (software) from the previous configuration with the same primary identifier. Version identifiers are usually associated with data (such as files, databases and software) used by, or maintained in, computers.
- 3.2.102 Waiver. See Deviation.
- 3.2.103 Working Document (Data). Document that has not been released; any document that is currently controlled solely by the originator including new versions of the document that were previously released, submitted, or approved.

4 GENERAL

4.1 General.

In accordance with DoD 5000.2-R, DoD activities shall have “An integrated data management system to capture and control the technical baseline (configuration documentation, technical data, and technical manuals); provide data correlation and traceability among requirements, designs, decisions, rationale, and other related program planning, and reporting, support configuration procedures, and serve as a ready reference for the systems engineering effort.” The selection of data is based on the acquisition and logistic support strategies for the system/CI and the Government Concept of Operations for the acquisition program. During each phase of the acquisition life cycle and stage of the product maturity life cycle (see Figure 1), product and configuration management data products are chosen using the tailoring guidelines in Table A-I of Appendix A. The data is normally accessed from or captured in a product information database. The Government is responsible for assuring that the database or set of interconnected databases is maintained throughout the product life cycle. DIPs defined in Appendix D are a means to interchange data between product information databases (see Section 5). The database schema (data model) in Appendix B (to be published)

and the data dictionary in Appendix C is used to determine the standard neutral definitions of, and the relationships between the data elements invoked in the selected data information packets.

| Acquisition Life Cycle Phase: | Program Definition & Risk Reduction | | Engineering & Manufacturing Development | Production, Fielding/Deployment, & Operational Support and Demilitarization & Disposal | |
|--|-------------------------------------|----------------------------------|---|--|--|
| Product Design Maturity Life Cycle Stage: | System Definition | Allocated Performance Definition | Design Definition | Production, Operations & Support | Post Production Operations & Support (including Demilitarization & Disposal) |

Figure 1. Correlation of acquisition life cycle phase and product design maturity life cycle stage

4.2 Tasking activity responsibilities.

In order to apply the contents of this standard to aid in selecting the minimum essential data, the following actions are taken by the procuring (or tasking) activity:

4.2.1 Tasking activity decisions.

- a. Prior to the program definition and risk reduction phase of the acquisition life cycle (or the system definition stage of the design maturity life-cycle), the tasking activity determines the acquisition strategy to be used for the design, development, production, operations, and support of the item. This decision is reviewed prior to each subsequent phase of the product's acquisition life cycle.
- b. Prior to the Production, Operations and Support stage of the acquisition life cycle, the tasking activity determines what agency(s) will be responsible for implementing the various aspects of the logistics support strategy.
- c. Prior to each acquisition life cycle phase, the tasking activity determines (or updates) the Government concept of operations for use of electronic information.

4.2.2 Ordering information.

After the decisions in 4.2.1 are made, Appendix A is used as a guide to determine the data product-related information to be included in the Statement of Work (SOW) and Contract Data Requirements List (CDRL) or internal tasking directive. Appendix A is utilized by the activity generating the SOW and CDRL (either tasking activity or performing activity) or by the activity evaluating the content of the SOW/CDRL submitted with a proposal.

Note: Appendix A provides a step-by-step procedure for determining the minimum data products that are necessary to efficiently support production and post-production logistics support, and to ensure that it is acquired in the format appropriate to the specific item and program. Use of this Appendix helps prevent sub-optimization of the total life cycle support of the product by identifying information that must be obtained from the manufacturer for use after production is completed.

4.3 Performing activity responsibilities.

4.3.1 Creation of data, documents, or data items. Performing activities develop information in accordance with the requirements of the SOW and standard company and industry practices.

4.3.2 Delivery of CM data, documents, or other data items. Information is delivered in accordance with the requirements contained in the CDRL. When the DIP in this standard is required by the contract, the information to be delivered is formatted in accordance with the DIP and delivered by means of the exchange protocol established by the contract.

4.4 Applicability of appendixes B and C.

4.4.1 Appendix B (to be published) defines a database schema (data model) for configuration management data, product data, and contract-deliverable data. It is used as a reference for the relationships/business rules associated with the data elements in the DIP selected for acquisition. When a CM System, Product Data Management (PDM) System, or Contract

Data Management (DM) System is being acquired, the portions of Appendix B (to be published) pertinent to the system are to be specifically cited for compliance.

- 4.4.2 The data dictionary in Appendix C supports both the DIPs and the conceptual data model in Appendix B (to be published). The dictionary includes the precise definitions of all the data elements, their size, format, and acceptable values. It is used to the extent that the data elements are required either by a DIP called out in a contract or by a SOW for a CM System, or a PDM System

5 DATA INTERFACE TRANSACTIONS

5.1 Types of transactions.

Two types of transactions take place to populate a database with configuration management information, and to extract data from a database:

- 5.1.1 Standard transactions, defined in this standard in the form of DIPs (Appendix D), are used to enter information into a database and to extract similar information from one database to exchange the data with another database. The DIPs streamline the effort required to obtain product data and configuration management information and eliminate redundant or overlapping data. When a DIP is entered into a database compliant with the data model, or a database mapped to the data model, it automatically populates the appropriate data fields.
- 5.1.2 Standard and ad-hoc queries to a database are a method of extracting specific intelligence from the database. Queries are a function of system input/output design and are a function of specific system tools; therefore queries are not described in this standard.

6 NOTES

(This section contains information of a general or explanatory nature, that may be helpful, but is not mandatory.)

6.1 Intended use.

- 6.1.1 This standard establishes a business rules view (database schema) for automated information systems used for configuration management of materiel items and the management of documents related to those items throughout the life cycle of the items.
- 6.1.2 This document defines a standard practice for acquiring the minimum configuration management and product data essential for support of materiel items throughout its life cycle. This data is typically ordered by the Government by means of CDRLs invoking either the content DID for the documents desired or the DIDs listed in 6.2, in conjunction with SOW, contract clause or other appropriate contract arrangement, such as a requirement for full or partial access to contractor databases via contractor integrated technical information services (CITIS).
- 6.1.3 The configuration management and product data addressed by this standard can be exchanged between multiple database platforms and between many legacy systems. This standard provides for the exchange of information in a neutral format between systems designed by different vendors. It addresses exchange requirements for the full scope of data necessary to meet the requirements for configuration management and integrated data management as stated in DoD 5000.2-R.

6.2 Associated Data Item Description (DID).

When it is necessary to obtain data, the DID may be listed on the CDRL (DD Form 1423), except where the DoD Federal Acquisition Regulation Supplement exempts the requirement for a DD Form 1423.

| <u>DID Number</u> | <u>DID Title</u> | <u>Selection and Tailoring Guidance</u> |
|-------------------|---|---|
| DI-CMAN-81588 | Configuration Management Data Interface Transaction Data Information Packets (DIPs) – Army Materiel Command (AMC) | A.4.3 |

6.3 Tailoring guidance for contractual application.

This Standard defines a neutral interface for the exchange of digitized configuration management data for products and documents. DIPs in this Standard define the required data transaction formats. Selection and use of the appropriate DIPs is determined by the tasking activity. On-line delivery or on-line access to the data is preferred. Selection guidance and tailoring information for the DIPs, CDRL and SOW are provided in Appendix A.

6.4 Subject term (key word) listing.

- Application activity
- Approved document (or data)
- Configuration audit
- Configuration baseline
- Configuration control
- Configuration control board
- Configuration documentation
- Configuration identification
- Configuration item
- Configuration status accounting
- Current document change authority
- Data Information Packet
- Deviation
- Document custodian activity
- Document representation
- Engineering change proposal
- Interface control
- Lot number
- Notice of revision
- Product-tracking base-identifier
- Released document (data)
- Serial number
- Submitted document data
- Technical data package
- Working document (data)

6.5 Useful references.

Copies of Government specifications, standards and handbooks are available from the DoD Single Supply Point: Bldg. 4/Section D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, by FAX to 215-697-1462, or from the Internet at DoD's Acquisition Streamlining and Standardization Information System (ASSIST) web page at Uniform Resource Locator (URL):<http://assist.daps.mil/>. Table 1 contains additional useful references and source documents for requirements implemented herein and for domain values for various DEDs.

- 6.5.1 ANSI/EIA Standard -649-1998, National Consensus Standard for Configuration Management. This standard explains the major configuration management functions rather than mandates them. The explanation includes purpose, benefits, and best practices. Within each topic, the basic principles of configuration management are addressed. The principles are selectively applicable to a broad range of customers, products and industries. This standard has been DoD adopted and copies are available to Government personnel through the DoD Single Supply Point. The standard is available to industry from Global Engineering Documents, 15 Inverness Way East, Englewood, CO 80112-5704, or call USA and Canada 1-800-854-7179, International (303) 397-7956.
- 6.5.2 Military Handbook (MIL-HDBK)-61, Configuration Management Guidance. This handbook provides guidance to military acquisition Program Managers and all Integrated Product Team (IPT) members on how to ensure the selective application of product and data configuration management to defense materiel items. The document can be downloaded from the Internet at URL http://www.acq.osd.mil/io/se/cm&dm/cmdm_info/mil_61.html.
- 6.5.3 The Software Engineering Institute's A Systems Engineering Capability Maturity Model. This model describes the role configuration management plays in the systems engineering process, and provides a reference for comparing actual practices against essential elements. The document is available from the National Technical Information Service (NTIS), U.S. Department of Commerce, Springfield, VA 22161, Phone (703) 487-4600; or from the Defense Technical Information Center (DTIC), Attn: DTIC-OCF, 8725 John J. Kingman Road, Suite 0944, Ft. Belvoir, VA 22060-6218.
- 6.5.4 International Standardization Organization (ISO) 10303-203, Configuration Controlled 3D Design for Mechanical Parts and Assemblies. This document is a published international standard addressing a part of the configuration management business area. In process ISO documents can be accessed on the Internet at URL: <http://www.nist.gov/sc4/>. Published ISO documents can be ordered from the USA ISO member American National Standards Institute (ANSI). ANSI may be contacted through the following:
- Address:
American National Standards Institute
11 West 42nd Street, 13th floor
New York, N.Y. 10036
Email: info@ansi.org
Internet: <http://www.ansi.org/>
- 6.5.5 MIL-HDBK-502, Acquisition Logistics. This handbook defines the Configuration Management and Data Management Activities in their relationship to the System Analysis and Control (Balance) Activity of the Systems Engineering Process Flow.
- 6.5.6 References used in the development of this standard.

| Document Identifier | Title |
|---------------------|--|
| AFI 16-401 | Designating and Naming Defense Military Aerospace Vehicles |
| AFMCP 66-16 | |
| ANSI Y 14.1M | Drawing Sheet Size and Format, Metric |
| ANSI Y14.1 | Drawing Sheet Size and Format |
| ANSI Y14.24M | Types and Applications of Engineering Drawings |
| ANSI Y14.34M | Parts Lists, Data Lists, and Index Lists |
| ANSI Y32.16-75 | See IEEE200-75 |

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| Document Identifier | Title |
|---------------------------|--|
| ANSI/EIA-649 | National Consensus Standard for Configuration Management |
| ANSI/IEEE STD 260 | Standard Letter Symbols for Units of Measurement (SI Units, Customary Inch-Pound Units, and Certain Other Units) |
| ANSI/IEEE Std 610.12 | IEEE Standard Glossary of Software Engineering Terminology |
| AR 70-50 | Designating and Naming Defense Equipment, Military Aerospace Vehicles |
| AR 750-1 | Army Materiel Maintenance Policy and Retail Maintenance Operations |
| Cataloging Handbook H2-1 | Federal Supply Classification, Part 1, Groups and Classes |
| Cataloging Handbook H4/H8 | Commercial and Government Entity (CAGE) Cataloging Handbook |
| Cataloging Handbook H6 | Federal Item Name Directory for Supply Cataloging |
| DA PAM 738-750 | Functional Users Manual for The Army Maintenance Management System (TAMMS) |
| DA PAM 738-751 | Functional Users Manual for The Army Maintenance Management System Aviation |
| DFARS | Defense Department Supplement to the Federal Acquisition Regulation |
| DoD 4100.38-M | DoD Provisioning and Other Preprocurement Screening Manual |
| DoD 4100.39-M | Federal Logistics Information System (FLIS) Procedures Manual |
| DoD 4120.3-M | Defense Standardization Manual |
| DoD 5000.2-R | Mandatory Procedures for Major Defense Acquisition Programs (MDAPs) and Major Automated Information System (MAIS) Acquisition Programs |
| DoD 5010.12-L | Acquisition Management and Data Requirements Control List (AMSDL) |
| DoD 5010.12-M | DoD Technical Data Management Program |
| DoD 5105.38-M | Military Assistance Sales Manual |
| DoD 5220.22-M | DoD Industrial Security Manual for Safeguarding Classified Information |
| DoD 8320.1-M-1 | DoD Data Element Standardization Procedures |
| DoDD 5200.1-R | Information Security Program Regulation |
| DoDD 5230.24 | Distribution Statements on Technical Documents |
| DoDD 5230.25 | Withholding of Unclassified Technical Data from Public Disclosure |
| DoDD 5230.9 | Clearance of DoD Information for Public Release |
| DOD-HDBK-263 | Electrostatic Discharge Control Handbook for Protection of Electrical and Electronic Parts, Assemblies and Equipment (Excluding Electrically Initiated Explosive Devices) (Metric) |
| DOD-STD-1700 (Cancelled) | Data Management Program |
| DOD-STD-2140 (Cancelled) | Machinery Alteration (MACHALT) Instructions |
| DOD-STD-2167 (Cancelled) | Defense System Software Development (Superseded by MIL-STD-498) |
| IEEE/EIA 12207 | Software Life Cycle Processes |
| IEEE200-75 | Reference Designations for Electrical and Electronic Parts and Equipment |
| ISO 10303-203 | Configuration Controlled 3D Design for Mechanical Parts and Assemblies |
| ISO 10303-232 | Technical Data Packaging Core Information and Exchange |
| ISO 10303-41 | Integrated Generic Resources: Fundamentals of Product Description and Support |
| ISO 13584-26 | Industrial Automation Systems and Integration – Logical Resource: Supplier Identification |
| ISO 8601 | Data Elements and Interchange Formats – Information Interchange – Representation of Dates and Times |
| ISO 9000-3 | Guidelines for the Application of ISO 9001 to the Development, Supply and Maintenance of Software Quality Management and Quality Assurance Standards – Part 3 |
| ISO/IEC 6523 | Information Technology - Structure for the Identification of Organizations and Organization Parts |
| MIL-D-81992 | Preparation of Technical Directives |
| MIL-DTL-31000 | Technical Data Packages |
| MIL-DTL-81748 | Manuals, Technical: Rapid Action Changes, General Specification for Preparation of |
| MIL-HDBK-1812 | Assignment and Method for Obtaining Type Designation |

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| Document Identifier | Title |
|--------------------------------|--|
| MIL-HDBK-2164 | Environmental Stress Screening Process for Electronic Equipment |
| MIL-HDBK-502 | Acquisition Logistics |
| MIL-HDBK-59, (Cancelled) | Continuous Acquisition and Life-Cycle Support (CALS) Program Implementation Guide |
| MIL-HDBK-61 | Configuration Management Guidance |
| MIL-I-8500 (Cancelled) | Interchangeability and Replaceability of Component Parts for Aerospace Vehicles |
| MIL-M-81748 | Technical Manuals: General Specification for Preparation of Rapid Action Changes |
| MIL-PRF-28001 | Markup Requirements and Generic Style Specification for Exchange of Text and Its Presentation |
| MIL-PRF-38804 | Time Compliance Technical Orders Preparation |
| MIL-PRF-49506 | Logistics Management Information |
| MIL-STD-100 | Engineering Drawings |
| MIL-STD-1388-2B (Cancelled) | DoD Requirements for a Logistic Support Analysis Record |
| MIL-STD-1464(AR) | Army Nomenclature System |
| MIL-STD-1661(OS) | MARK and MOD Nomenclature System |
| MIL-STD-1662 | Preparation of Ordnance Alteration (ORDALT) Instructions |
| MIL-STD-1686 | Electrostatic Discharge Control Program for Protection of Electrical and Electronic Parts, Assemblies and Equipment (Excluding Electrically Initiated Explosive Devices) |
| MIL-STD-196 | Joint Electronics Type Designation System |
| MIL-STD-2039 | Preparation of Field Changes and Field Change Kits |
| MIL-STD-38784 | Standard Practice for Manuals, Technical: General Style and Format Requirements |
| MIL-STD-490 (Cancelled) | Specification Practices (Superseded by MIL-STD-961) |
| MIL-STD-498 (Cancelled) | Software Development and Documentation (Superseded by IEEE/EIA 12207) |
| MIL-STD-787 (Cancelled) | Joint Optical Range Instrumentation Type Designation System |
| MIL-STD-882 | System Safety |
| MIL-STD-961 | Standard Practice for Defense Specifications |
| MIL-STD-962 | Standard Practice: Defense Standards and Handbooks |
| MIL-STD-963 | Data Item Descriptions (DIDs) |
| MIL-STD-974 | Contractor Integrated Technical Information Services (CITIS) |
| NAVAIR 00-25-300 | Naval Aviation Technical Directive (TD) Process Instruction |
| NAVAIR 00-25-700 | |
| NAVAIRINST 5215.10D | Processing of Rapid Action Minor Engineering Changes |
| NAVMATINST 8800.4 | Military Aerospace Equipment |
| OPNAVINST 4720.2G | Fleet Modernization Program (FMP) Policy |
| Public Law 102-484 | National Defense Authorization Act for Fiscal Year 1993 |
| Public Law 98-94 | Department of Defense Authorization Act, 1984 |
| SD-1 | Standardization Directory |
| SECMM | Systems Engineering Capability Maturity Model |
| STANAG 4159 | NATO Materiel Configuration Management Policy and Procedures for Multinational Joint Programs |
| TO 00-20-2 | Maintenance Data Collection |
| TO 00-5-16 | Software Manager's Manual: USAF Automated Computer Program Identification Numbering System (ACPINS) |
| TO 00-5-17 | Users Manual: USAF Computer Program Identification Numbering System (CPINS) |
| U.S. GPO Style Manual | United States Government Printing Office Style Manual |

APPENDIX A

SELECTION AND TAILORING GUIDANCE

A.1.SCOPE

A.1.1 Scope.

This appendix provides guidance for selecting the applicable portions of specific Data Information Packets (DIPs) needed to support configuration management data requirements during the product life cycle. This appendix is not a mandatory part of this standard. The information contained herein is intended for guidance only.

A.1.2 Applicability.

This standard defines the interface requirements for configuration/technical management information utilized in the design, development, production, support, and disposal of hardware, software, and combinations thereof applicable to any product line or software tool. This information will typically be generated and maintained by the activity responsible for the particular life-cycle activity for the hardware or software “modules”. Any commercial (or Government) organization which expects to have responsibility for some (or all) of these life-cycle activities should establish a database, which includes all of the applicable data elements and data of this standard. Availability of such data bases will facilitate internal interoperability and supportability among participating corporate activities [for example, functional groups, plants, divisions, or operating locations], as well as providing information to activities which also require the information, without requiring that each accessing activity utilize the same software tool. The tailoring recommendations provided in this appendix constitute guidelines for organizations as to when, and which, information might be required for the successful management of their part of the life-cycle activities for the hardware/software. The information will normally be captured in and accessed from a product information database. The Government is responsible for assuring that the database, or set of interconnected databases, is maintained throughout the product life cycle. Such information will be obtained through the access to, or delivery of, discrete groupings of related information defined in the DIPs provided in Appendix D of this standard and through the access to, or delivery of, individually-requested elements/groupings of related information resulting from “ad hoc” queries/searches by users of the data bases. The suggested tailoring wording will focus on the groupings of information provided by the DIP.

A.2.APPLICABLE DOCUMENTS

This section is not applicable to this appendix.

A.3.DEFINITIONS

The acronyms and definitions in Section 3 of this standard apply to this appendix.

| | |
|-------|--|
| C/CR | Customer/Contracted Repair – Logistical strategy where support data is required to facilitate the customer (DoD) accomplishing the support or contracting with any other activity than the manufacturer to accomplish the support. |
| D-B | Design-Based acquisition – To define and control the detail design for the product in detail specifications and Drawings and to use those detail specifications and Drawings to buy the production units. |
| MR/TA | Manufacturer Repair/Throw-Away – Logistical strategy where little detailed support data is required because the customer (DoD) will have NO NEED for the support data. |
| P-B | Performance-Based acquisition – To define and control the essential performance and interface requirements for the product in performance specifications and to use those performance specifications to buy the production units. |

APPENDIX A

A.4. ACQUISITION TECHNIQUES.

A.4.1 Summary recommendations for CM information.

In accordance with DoD 5000.2-R, DoD activities should acquire (by access or delivery) the minimum product information (including configuration management information) essential to effectively support product development, production, asset sustainment, modification, and disposal. The types of CM information that the Government will normally need vary according to the program and its design maturity, acquisition concept, and logistics support concept. Table A-I provides general guidelines about the types of CM information which are normally required by a Government management organization as the new development or major modification progresses through its life cycle and which would normally have to be acquired via the DIP provided in this standard. The information in this appendix is designed to facilitate the creation and the review of Statements of Work (SOW) and Contract Data Requirements Lists (CDRL) related to the provision of the CM information. . A commercial or DoD designing organization or a DoD buying organization may originate a draft Statement of Work (SOW) and Contract Data Requirements List (CDRL). They should first review Table A-I to make preliminary determinations about the CM information to be provided to the DoD buying organization before proceeding to generate the draft SOW and CDRL using the detailed tailoring information in A.4.3. A DoD or commercial organization reviewing the draft SOW and CDRL should utilize both Table A-I and paragraph A.4.3 and subparagraphs in determining the sufficiency of the proposed CM information to be provided by the designing organization. (This determination should also address the availability of the information from DoD sources.)

A.4.1.1 Generating/reviewing Statement of Work (SOW) tasks and Contract Data Requirements List (CDRL) entries.

There are four steps to determining the specific DIPs necessary to support CM information requirements and to determining the wording to be included in the applicable procurement documentation. (These would usually consist of a SOW and a CDRL for a contract with a commercial supplier or of some form of internal tasking document or memorandum of agreement between DoD organizations.) If you are not familiar with the terms used in Table A-I or need to refresh your memory, these terms are reviewed in Appendix E.

- a. First, use Table A-I to identify the type of CM information [document type(s) and associated data] and how much of the information is needed. For each type of CM information, the “need designators” on the Table indicate whether it is essential (E), recommended (R), optional (O), or not recommended (blank) that delivery of the data or access to the data begin during that acquisition program phase related to the product’s design maturity. Each phase’s recommendations assume the prior phases data is still available and that revisions and updates to that data will be ordered. It is advisable to review the data requirements of the prior phases to assure that data is still available. This is especially advisable if the program has “skipped” one or more early phases of the life cycle or if management responsibility for the program transitions between phases. If prior phases essential or recommended data is not available, it must be procured or reprocedured in the current phase.
- b. Second, if deciding whether to obtain the information from a contractor, determine whether the information may be available from a Government organization source/repository or from a custodian for the document (such as an industry association). [In generating the “suggested wording” recommendations in this appendix, the normal source for most of the data covered in Table A-I is assumed to be a “contracted” commercial or Government design activity.]
- c. Third, identify the selection and tailoring paragraph in the first column of Table A-I associated with the type of CM information. Review the selection and tailoring paragraph for helpful information about the uses, options, and timing for that type of CM information as you try to make final decisions about buying the information.
- d. Fourth, if you decide that you will need the information, use the sample SOW, CDRL, and/or tasking document wording provided in the selection and tailoring paragraph to generate (or review) the wording of the procurement documents. Note that since the procurement contracts are normally written for the entire effort encompassing each life-cycle phase (or fiscal year production buy), rather than for each design maturity stage, the samples of wording will be provided only for the phases.

APPENDIX A

Table A-I. Selection and tailoring guidance for CM data information DIPs

| Acquisition Life Cycle Phase: | | Program Definition & Risk Reduction | | | | Engineering & Manufacturing Development | | | Production, Fielding/Deployment, & Operational Support and Demilitarization & Disposal | | | | | |
|--|--|-------------------------------------|-----|----------------------------------|-----|---|------|-----|--|------|-----|--|------|-----|
| Product Design Maturity Stage: | | System Definition | | Allocated Performance Definition | | Design Definition | | | Production, Operations and Support | | | Post Production Operations and Support | | |
| Manufacturer Repair/Throw-Away (MR/TA), or Customer/Contracted Repair (C/CR) | | | | | | MR/TA | C/CR | | MR/TA | C/CR | | MR/TA | C/CR | |
| Performance-based (P-B)/Design-based (D-B): | | P-B | D-B | P-B | D-B | P-B | P-B | D-B | P-B | P-B | D-B | P-B | P-B | D-B |
| Paragraph | Type of CM information [DIP] | | | | | | | | | | | | | |
| A.4.3.1.1 | System-level interface control Drawings [Drawing, Part, and Part-Relationship] | E | E | | | | | | | | | | | |
| | Top-level CI interface control Drawings [Drawing, Part and Part-Relationship] | | | E | E | | | | | | | | | |
| | Lower-level CI interface control Drawings [Drawing, Part and Part-Relationship] | | | | | E | E | E | | | | | | |
| | Conceptual design Drawings & assoc lists [Drawing, Associated-List, Part, Part-Relationship] | | O | | | | | | | | | | | |
| | Developmental design Drawings & associated lists [Drawing, Associated-List, Part, Part-Relationship] | | | | O | | | | | | | | | |
| | Product design Drawings & associated lists [Drawing, Associated-List, Part, Part-Relationship] | | | | | R* | R* | E | | | | | | |
| | Special inspection equipment Drawings & associated lists [Drawing, Associated-List, Part, Part-Relationship] | | | | | | O | O | | | | | | |
| | Special tooling Drawings & associated lists [Drawing, Associated-List, Part, Part-Relationship] | | | | | | | O | | | | | | |
| | Revisions to previously acquired Drawings [Drawing, Associated-List, Part, Part-Relationship] | O | O | E | E | E | E | E | E | E | E | E | E | E |
| A.4.3.1.2 | System-level performance specification [Specification, Part and Part-Relationship] | E | E | | | | | | | | | | | |
| | Top-level CI performance specifications [Specification, Part and Part-Relationship] | | | E | E | | | | | | | | | |

APPENDIX A

Table A-I. Selection and tailoring guidance for CM data information DIPs

| Acquisition Life Cycle Phase: | | | | Program Definition & Risk Reduction | | | | Engineering & Manufacturing Development | | | | Production, Fielding/Deployment, & Operational Support and Demilitarization & Disposal | | | | | |
|--|---|--|--|-------------------------------------|-----|----------------------------------|-----|---|------|-----|------------------------------------|--|-----|--|------|-----|--|
| Product Design Maturity Stage: | | | | System Definition | | Allocated Performance Definition | | Design Definition | | | Production, Operations and Support | | | Post Production Operations and Support | | | |
| Manufacturer Repair/Throw-Away (MR/TA), or Customer/Contracted Repair (C/CR) | | | | | | | | MR/TA | C/CR | | MR/TA | C/CR | | MR/TA | C/CR | | |
| Performance-based (P-B)/Design-based (D-B): | | | | P-B | D-B | P-B | D-B | P-B | P-B | D-B | P-B | P-B | D-B | P-B | P-B | D-B | |
| Paragraph | Type of CM information [DIP] | | | | | | | | | | | | | | | | |
| | Lower-level CI performance specifications [Specification, Part and Part-Relationship] | | | | | | | E | E | E | | | | | | | |
| | CI detail specifications [Specification, Part and Part-Relationship] | | | | | | | | | E | | | | | | | |
| | Revisions to previously acquired specs [Specification, Part and Part-Relationship] | | | O | O | E | E | E | E | E | E | E | E | E | E | | |
| A.4.3.1.3 | Standardization documents [Standard] | | | O | O | O | O | O | O | O | O | O | O | O | O | | |
| | Revisions to previously acquired standardization documents [Standard] | | | | | R | R | R | R | R | R | R | R | R | R | | |
| A.4.3.1.4 | Paperless hardware designs [Part-Model] | | | | | | | | | R | | | | | | | |
| | Revisions to previously acquired paperless hardware designs [Part-Model] | | | | | | | | | E | | | E | | E | | |
| A.4.3.1.5 | Software & software admin information [Software, Software-Documentation] | | | | | | | E | E | E | | | | | | | |
| | Revisions to previously acquired software & software administrative info [Software, Software-Documentation] | | | | | | | | | | E | | | E | | | |
| A.4.3.1.6 | Software support documents [Software-Documentation] | | | | | | | | R | R | E | | | | | | |
| | Revisions to previously acquired software support documents [Software-Documentation] | | | | | | | | R | R | E | R | R | E | | | |
| A.4.3.2.1 | General documents and Tech Manuals [General-Documents and Technical-Manual] | | | O | O | R | R | E | E | E | E | E | E | E | E | | |
| | Revs to previously acquired general documents and Tech Manuals [General-Documents and Technical-Manual] | | | | | E | E | E | E | E | E | E | E | E | E | | |

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Table A-I. Selection and tailoring guidance for CM data information DIPs

| Acquisition Life Cycle Phase: | | | | Program Definition & Risk Reduction | | | Engineering & Manufacturing Development | | | Production, Fielding/Deployment, & Operational Support and Demilitarization & Disposal | | | | | | |
|--|--|--|--|-------------------------------------|-----|----------------------------------|---|-------------------|------|--|------------------------------------|------|-----|--|------|-----|
| Product Design Maturity Stage: | | | | System Definition | | Allocated Performance Definition | | Design Definition | | | Production, Operations and Support | | | Post Production Operations and Support | | |
| Manufacturer Repair/Throw-Away (MR/TA), or Customer/Contracted Repair (C/CR) | | | | | | | | MR/TA | C/CR | | MR/TA | C/CR | | MR/TA | C/CR | |
| Performance-based (P-B)/Design-based (D-B): | | | | P-B | D-B | P-B | D-B | P-B | P-B | D-B | P-B | P-B | D-B | P-B | P-B | D-B |
| Paragraph | Type of CM information [DIP] | | | | | | | | | | | | | | | |
| A.4.3.2.2 | Document supplements [Document-Supplement] | | | O | O | E | E | E | E | E | E | E | E | E | E | |
| A.4.3.3.1 | Part identification [Part, Software] | | | | | | | | R | E | | R | E | | R | E |
| A.4.3.3.2 | As-built/as-delivered configuration and changes to fielded items [Part, Software, Part-Relationship] | | | | | | | O | E | E | O | E | E | O | E | E |
| A.4.3.4.1 | ECPs to govt-controlled product, allocated, and/or functional baseline documents [Engineering-Change-Proposal, Notice-Of-Revision] | | | O | O | R | R | E | E | E | E | E | E | E | E | E |
| A.4.3.4.2 | RFDs to govt-controlled product, allocated, and/or functional baseline documents [Request-For-Deviation] | | | O | O | R | R | R | R | E | R | R | E | | | |

* Applies to Government-controlled source control Drawings

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A.4.2 General.

Before specific taskings and data requirements can be written into the procurement documentation, the buying organization must carefully assess its needs and roles relative to the types of information required. This section provides guidelines to help you, as the buying organization decide which information you may need and when it might be acquired; it also provides sample wording to use in writing or reviewing SOW taskings and CDRL notes.

A.4.2.1 Overarching tailoring considerations.

In deciding about the data that you as a user/customer may want to buy, there are a number of considerations that must be addressed as you look at the overall data/information requirements for your organization. Before you begin to complete specific tailoring actions for your organization, you should consider how your organization will utilize the information and whether or not your organization is or will become the Current Document Change Authority (CDCA).

A.4.2.1.1 Do you want data/metadata or just the metadata?

Most of the fields in the DIPs provide metadata describing various essential attributes about a document/product; only a few of the fields in a few of the DIPs actually provide a document. However, the DIPs are structured so that the user will get the “access” to (or the “delivery” of) the document if the DIP ordered includes the document, unless the applicable field is “tailored out”. Since, in most cases, the user will want to obtain the actual document (such as a Drawing or a specification or a software listing) along with the metadata, this should not be a problem. However, if the user desires only the metadata, these sequences must be tailored out through the “Remarks” block of the CDRL. [Note that it is not advisable to obtain only the document without the metadata since the metadata provides the relational information essential to the utilization of the document within the database.] The suggested tailoring wording provided is based on ordering the data (document) and the metadata as a complete set.

A.4.2.1.2 Is there a content Data Item Description (DID) ?

If the user wants to obtain the document, it is normally best to cite an existing “content” DID, such as DI-SDMP-81493 for program-unique specifications, to specify the format and content of the document in the CDRL. (Content DIDs, where available, are provided with the specific tailoring guidelines later in this appendix.) Specific wording in the “Remarks” block of the CDRL will invoke the applicable electronic format requirements to make the document compatible with the interface requirements of this standard. If, however, a content DID does not exist for the document the user wishes to obtain, the DID (DI-CMAN-81588) from this standard will have to be cited in the CDRL. Any details of format/content requirements (including the interface requirements provided later in this appendix) will have to be cited in the “Remarks” block of the CDRL. The suggested tailoring wording is based on the use of a content DID, where applicable.

A.4.2.1.3 Will access to the document be sufficient or do you want the document delivered?

In the past, the ordering organization usually wanted the document delivered to them; multiple physical copies (often of varying revision levels) existed at many different sites. However, in the world of interoperable electronic databases, distributed storage is common; the current version of the document is hosted in only one location and all other organizations are provided access to the document rather than storing the document on their system. Therefore, the decision by the CDCA organization to take “delivery” of the masters/originals usually is tied to the decision to also be the custodian and the hosting site for worldwide access to the document, with the attendant resource requirements such as hosting activity requires. This hosting organization must acquire the document in appropriate formats that will allow both updating the information (like WORD or AutoCAD) and access without change capability (like Adobe Acrobat). If the CDCA organization does not expect to have the resources/capabilities for such document hosting, then it will have to arrange to have another organization having such capabilities (often the document-originating organization) designated as the custodian and host for the document. The suggested CDRL tailoring wording provides samples for both “access” and “delivery” of the information.

A.4.2.1.4 Are you going to be the CDCA?

If the user ordering the document intends to become the CDCA for the document, the CDRL “Remarks” block should state that the “access” or “delivery” relates to the original of the document including all rights as the CDCA of the document. However, in some cases, the user of the document will need access to the information but will almost never become the CDCA for the document. In those cases, the CDRL “Remarks” block would state that the “access” or “delivery” relates to copies of the document (and may also provide for the procuring organization to be able to accept or reject changes that have been made to the documentation for use in items they are buying). The suggested tailoring wording will include options for these situations. However, where “delivery” of the “originals” is required, the sample wording assumes that the buying activity (CDCA) will be the custodian and will generate the revisions to the “originals”; if the contractor will be the custodian, wording about revisions should be added to the CDRL remarks.

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A.4.2.1.5 What are your Data Rights?

If you are to be the CDCA, it is assumed you have full, unlimited use of the data for any legal purpose unless otherwise stated. If you are not the CDCA, your rights to use the data must be clearly stated as are any specific limitation on the use of the data. If you are going to have limited data rights, consideration should be given to added provision for assumption of full data rights if the contractor cannot meet the Government delivery needs.

A.4.2.1.6 Is the information available from a Government source?

Much of the required data may be obtained from Government, or other, sources where a CDRL is not used. If the data will be obtained from a Government source, the required DIPs should be included in the Statement of Work or other internal tasking document for that source. If a Government design activity can provide the original information, or updates to it, their inputs should be utilized to reduce the cost of acquiring the information. Utilizing the Government source of information will facilitate the availability of the information throughout the life cycle. The tailoring information will provide inputs about the availability of the various Configuration Management (CM) information elements from Government organizations.

A.4.2.1.7 Categories of DIPs.

In this standard, information transactions are provided in the form of DIPs. DIPs transmit specific product configuration management information or documents. These DIPs enable extraction of information from one database to populate another AMC-STD-2549 interface-compatible database. They include typical product information such as parts definition, product structure, engineering Drawings and associated lists, specifications, engineering change proposals, and status accounting information such as as-built/as-delivered configuration.

Data Information Packets

Products

- Part
- Software

Product Structure

- Part-Relationship

Documents

Product Definition Documents

- Drawing
- Associated-List
- Specification
- Standard
- Part-Model
- Software-Documentation
- Engineering-Change-Proposal
- Notice-Of-Revision
- Request-For-Deviation

Other Product Related Documents

- Technical-Manual
- General-Document
- Document-Supplement

A bullet indicates a separate data packet.

A.4.3 Specific selection and tailoring information and procurement document wording samples.A.4.3.1 DIPs associated with Product Definition Documents (Drawing, Specification, Standard, Software and Software-Documentation) and their Part and Part-Relationship data.

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A.4.3.1.1 Selection/ tailoring of engineering Drawings and Associated-Lists and their Part and Part-Relationship data [Drawing, Associated-List, Part, Part-Relationship DIPs].

Engineering Drawings and associated lists may be required for any product, including mission equipment, special inspection equipment, training devices, and special tooling. Engineering Drawings and associated lists are typically obtained via DIDs such as DI-DRPR-81000, -81001, -81002, -81003, -81004, and -81008 in the CDRL. If the acquisition is performance-based acquisition, the most common types of Drawings will be interface Drawings and source control Drawings. If the acquisition is design-based, many other types of Drawings may be acquired.

A.4.3.1.1.1 PD&RR phase.

During this phase, the most common types of Drawings that would be acquired, if any, are the interface Drawings for the system and for top-level hardware and software components; they would normally be obtained utilizing DI-DRPR-81002. It is also possible that the managing activity would want access to the design activity's draft conceptual Drawings (DI-DRPR-81001), if it is necessary to verify preliminary design and engineering and confirm that the technology is feasible and that the design concept has the potential to be useful in meeting a specific requirement. (see MIL-DTL-31000 for additional guidance) The following sample SOW tasks and CDRL remarks can be used as a basis for writing, or reviewing, entries in a proposal:

SOW: "The contractor shall document all interfaces and design information developed wholly or partly with Government funds."

CDRL Block 16 entries (ACCESS): "Copies of the [*cite specific type(s), if possible, for example. interface, draft conceptual design*] Drawings, associated metadata and Products and Product Structure data shall be accessible not later than [*cite time period, for example. 3 working days*] after they have been approved by the CDCA, starting [*specify appropriate milestone, for example. with the award of this contract*]. The [*cite specific type(s), for example. interface, draft conceptual design*] Drawings shall be compatible with conversion to [*specify applicable electronic format, for example. IGES, AutoCAD, Solid Works, ProEngineer*] format. Access to these [*cite specific type(s), for example. interface, draft conceptual design*] Drawings and their revisions shall be provided for a period not less than [*specify period, for example. ten years*] after delivery of the last production unit. The [*cite specific type(s), for example. interface, draft conceptual design*] Drawings, associated metadata and Products and Product Structure data shall be compatible with the interface format requirements of the Drawing, Associated-List, Part, and Part-Relationship DIPs of AMC-STD-2549.

CDRL Block 16 entries (DELIVERY): "Copies of the [*cite specific type(s), if possible, for example. interface, draft conceptual design*] Drawings, associated metadata and Products and Product Structure data shall be delivered not later than [*cite time period, for example. 14 days*] after they have been approved by the CDCA, starting [*specify appropriate milestone, for example. with the award of this contract*]. The [*cite specific type(s), for example. interface, draft conceptual design*] Drawings shall be delivered in [*specify applicable electronic format, for example. IGES, AutoCAD, Solid Works, ProEngineer*] format. The [*cite specific type(s), for example. interface, draft conceptual design*] Drawings, associated metadata and Products and Product Structure data shall be delivered in accordance with the interface format requirements of the Drawing, Associated-List, Part, and Part-Relationship DIPs of AMC-STD-2549. "

A.4.3.1.1.2 EMD phase.

During this phase, the most common types of Drawings that would be acquired, if any, are the interface Drawings and source control Drawings for the top-level and lower-level hardware and software components; they would normally be obtained utilizing DI-DRPR-81002. It is also possible that the managing activity would want access to some/all of the design activity's product Drawings (DI-DRPR-81000) if it is necessary to evaluate a specific design approach, provide the information to produce material for test or experimentation, and for the analytical evaluation of the inherent ability of the design approach to attain the required performance (perhaps as a part of PDRs and CDRs). (See MIL-DTL-31000 for additional guidance) The following sample SOW tasks and CDRL remarks can be used as a basis for writing, or reviewing, entries in a proposal:

SOW: "The contractor shall document all interfaces and design information, and all changes thereto, developed wholly or partly with Government funds."

CDRL Block 16 entries (ACCESS): "Originals of designated [*cite types, for example. interface, Government-controlled source control*] Drawings, including all rights as the CDCA, shall be placed under control of [*name of Government organization*] within [*specify period of time, for example. 15 days*] after completion of [*cite applicable event, for example. FCA*]. Copies of the [*cite specific type(s), if possible, for example. product*] Drawings, associated metadata and Products and Product Structure data shall be accessible not later than [*cite time period, for example. 3 working days*] after they have been approved by the CDCA, starting [*specify appropriate milestone, for example. with the award of this contract*]. Both prior to

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and after this transfer of CDCA responsibility, copies of the Drawings, associated metadata and Products and Product Structure data shall be accessible not later than [*cite time period, for example. 3 working days*] after they have been approved by the CDCA. The Drawings shall be compatible with conversion to [*specify applicable electronic format, for example. IGES, AutoCAD, Solid Works, ProEngineer*] format; accessible copies of the Drawings shall be compatible with conversion to [*specify applicable electronic format, for example. IGES, AutoCAD, Solid Works, ProEngineer, CALS Type I, C4*] format. Access to these Drawings and their revisions, associated metadata and Products and Product Structure data shall be provided starting [*cite applicable milestone, for example. with the signing of this contract*] and for a period not less than [*specify period, for example. ten years*] after delivery of the last production unit. The Drawings, associated metadata and Products and Product Structure data shall be compatible with the interface format requirements of the Drawing, Associated-List, Part, and Part-Relationship DIPs of AMC-STD-2549.” [*Optional additional wording: “The text of notes for each Drawing and special item/process notations applicable to the Drawing shall be included on the face of the Drawing.”*]

CDRL Block 16 entries (DELIVERY): “Originals of designated [*cite types, for example. interface, Government-controlled source control*] Drawings, including all rights as the CDCA, shall be delivered and placed under control of [*name of Government organization*] within [*specify period of time, for example. 15 days*] after completion of [*cite applicable event, for example. FCA*]. Copies of the [*cite specific type(s), if possible, for example. product*] Drawings, associated metadata and Products and Product Structure data shall be delivered not later than [*cite time period, for example. 15 days*] after they have been approved by the CDCA, starting [*specify appropriate milestone, for example. with the award of this contract*]. The Drawings shall be delivered in [*specify applicable electronic format, for example. IGES, AutoCAD, Solid Works, ProEngineer*] format. The Drawings, associated metadata and Products and Product Structure data shall be delivered in accordance with the interface format requirements of the Drawing, Associated-List, Part, and Part-Relationship DIPs of AMC-STD-2549.” [*Optional additional wording: “The text of notes for each Drawing and special item/process notations applicable to the Drawing shall be included on the face of the Drawing.”*]

A.4.3.1.1.3 Production, fielding/deployment, and operational support including demilitarization and disposal.

If the Government is to be CDCA for the detail design Drawings (DI-DRPR-81000) for the product, the transfer of CDCA responsibility would normally take place during this phase, after the PCA is completed. (See MIL-DTL-31000 for additional guidance) If the Government is not going to be the CDCA for the detail design Drawings, the most common types of Drawings that would be acquired, if any, are updates to the interface Drawings and Government-controlled source control Drawings for the top-level and lower-level hardware components; they also would normally be obtained utilizing DI-DRPR-81000. It is also possible that the managing activity would want access to copies of the design activity’s product Drawings (DI-DRPR-81000) for components being purchased by the Government as a part of their acquisition and/or logistics support process or if it is necessary for the Government to assess design-activity approved changes to accept or reject them for incorporation into units being purchased under this contract. The following sample SOW tasks and CDRL remarks can be used as a basis for writing, or reviewing, entries in a proposal:

SOW: “The contractor shall document all interfaces and design information, and all changes thereto, developed wholly or partly with Government funds.”

CDRL Block 16 entries (ACCESS): “Revisions of originals of designated [*cite specific types, if possible, for example. interface, Government-controlled source control, detailed design*] Drawings, including all rights as the CDCA, shall be placed under control of [*name of Government organization*] within [*specify period of time, for example. 3 days*] after approval by the Government CDCA. Copies of the Drawings [*cite specific type(s), if possible, for example. of components being purchased/stocked/maintained by personnel other than the manufacturer*], associated metadata and Products and Product Structure data shall be accessible not later than [*cite time frame, for example. 3 working days*] after they have been approved by the CDCA. The Government retains the right to accept or reject the application of the changes to units being delivered to the Government. Originals of the Drawings shall be compatible with conversion to [*specify applicable electronic format, for example. IGES, AutoCAD, Solid Works, ProEngineer*] format; accessible copies of the Drawings shall be compatible with conversion to [*specify applicable electronic format, for example. IGES, AutoCAD, Solid Works, ProEngineer.*] format. Access to these Drawings and their revisions, associated metadata and Products and Product Structure data shall be provided starting [*specify applicable milestone, for example. with the signing of this contract*] and for a period not less than [*specify period, for example. ten years*] after delivery of the last production unit. The Drawings, associated metadata and Products and Product Structure data shall be compatible with the interface format requirements of the Drawing, Associated-List, Part, and Part-Relationship DIPs of AMC-STD-2549.” [*Optional additional wording: “The text of notes for each Drawing and special item/process notations applicable to the Drawing shall be included on the face of the Drawing.”*]

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CDRL Block 16 entries (DELIVERY): “Revisions of originals of designated [*cite specific types, if possible, for example. interface, Government-controlled source control, detailed design*] Drawings, including all rights as the CDCA, shall be placed under control of [*name of Government organization*] within [*specify period of time, for example. 3 days*] after approval by the Government CDCA. {Optional additional wording if CDCA of the complete detailed design Drawing is not transferred to the Government: “Originals of the Drawings [*cite specific type(s), if possible, for example. of components being purchased/stocked/maintained by personnel other than the manufacturer*], associated metadata and Products and Product Structure data shall be delivered not later than [*cite time frame, for example. 10 working days*] after they have been approved by the CDCA, starting [*specify appropriate milestone, for example. with the award of this contract*]}. The Government retains the right to accept or reject the application of the changes to units being delivered to the Government. Copies of the Drawings shall be available in [*specify applicable electronic format, for example. IGES, AutoCAD, Solid Works, ProEngineer*] format. The Drawings, associated metadata and Products and Product Structure data shall be delivered in accordance with the interface format requirements of Drawing, Associated-List, Part, and Part-Relationship DIPs of AMC-STD-2549.” [Optional additional wording: “The text of notes for each Drawing and special item/process notations applicable to the Drawing shall be included on the face of the Drawing.”]”

A.4.3.1.2 Selection/ tailoring of performance and detail specifications and their Part and Part-Relationship data [Specification, Part, Part-Relationship DIPs] .

Performance specifications will be required for systems and for hardware and software elements of systems designated as configuration items (CIs), including mission equipment/software, support equipment/software, and training devices/software. The buying activity may also require detail specifications for some CIs for which it wants to control the detail design. System specifications (Functional Configuration Documentation or FCD) are obtained using DI-SDMP-81493. Performance specifications for development programs (Allocated Configuration Documentation or ACD) are typically generated as program-unique item, software, process, and material specifications and are obtained using DI-SDMP-81493. Performance specifications utilized for production and for operation & support (Allocated Configuration Documentation or ACD) may be obtained using either DI-SDMP-81465 or DI-SDMP-81493. Detail specifications for production and for operation & support (part of the Product Configuration Documentation or PCD) may be obtained using either DI-SDMP-81464 or DI-SDMP-81493.

A.4.3.1.2.1 PD&RR phase.

As a part of the system definition stage (or early in the allocated performance definition stage) during this phase, the system performance specification (FCD) is developed to document the system-level functional, performance and interface requirements. The specification also includes methods for verifying compliance with each requirement identified in the document. (See MIL-STD-961 appendix for additional guidance on system specifications.) The FCD normally reaches maturity and is placed under Government (CDCA) control at the end of the PD&RR phase. It is also likely that performance specifications for the top-level CIs (ACD) will be developed to document the allocation of system-level functional, performance and interface requirements to the top-level CIs below the system-level., but they normally will not reach maturity (and Government CDCA) until after the program enters the EMD phase. The following sample SOW tasks and CDRL remarks can be used as a basis for writing, or reviewing, entries in a proposal:

SOW: “The contractor shall document all functional, performance, and interface characteristics, and all changes thereto, for the system and for the configuration items.”

CDRL Block 16 entries [ACCESS]: “Originals of the [*cite specific types, if possible, for example. system performance specification*], including all rights as the CDCA, shall be placed under control of [*name of Government organization*] within [*specify period of time, for example. 15 days*] after completion of [*cite applicable event, for example. System Functional Review (SFR)*]. Both prior to and after this transfer of CDCA responsibility, copies of the [*cite specific type(s), for example. system specification*], associated metadata and Products and Product Structure data shall be accessible not later than [*cite time period, for example. 3 working days*] after they have been approved or released by the applicable CDCA, starting [*specify appropriate milestone, for example. not later than 10 days after the release/approval of the draft system specification*]. Originals of the [*cite specific type(s), for example. system specification*] shall be compatible with conversion to [*specify applicable electronic format, for example. WORD 2000. Interleaf, Quick Silver*] format; accessible copies of the [*cite specific type(s), for example. system specification*] shall be compatible with conversion to [*specify applicable electronic format, for example. Adobe Acrobat*] format. Access to the [*cite specific type(s), for example. system specification*] and its revisions, associated metadata and Products and Product Structure data shall be provided for a period not less than [*specify period, for example. ten years*] after delivery of the last production unit. The [*cite specific type(s), for example. system specification*], associated metadata and Products and Product Structure data shall be compatible with the interface format requirements of the Specification, Part, and Part-Relationship DIPs of AMC-STD-2549.”

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CDRL Block 16 entries [DELIVERY]: “Originals of the [*cite specific type(s), if possible, for example. system performance specification*], including all rights as the CDCA, shall be placed under control of [*name of Government organization*] within [*specify period of time, for example. 15 days*] after completion of [*cite applicable event, for example. SFR*]. Originals of the [*cite specific type(s), for example. system specification*], associated metadata and Products and Product Structure data shall be delivered not later than [*cite time period, for example. 30 working days*] after they have been approved by the Government in [*specify applicable electronic format, for example. WORD 2000, Interleaf, Quick Silver*] format. The [*cite specific type(s), for example. system specification*], associated metadata and Products and Product Structure data shall be delivered in accordance with the interface format requirements of the Specification, Part, and Part-Relationship DIPs of AMC-STD-2549. ”

A.4.3.1.2.2 EMD phase.

During the allocated performance definition stage of this phase, the top-level CI performance specifications (ACD) will be finalized. The top-level ACD normally reaches maturity and is approved and transferred to Government CDCA early in the EMD phase. During this stage in the EMD phase, the lower-level CI performance specifications (ACD) are developed to document the allocation of top-level CI functional, performance and interface requirements to subsystems, assemblies, subassemblies and components also selected as CIs. The lower-level ACD is normally placed under contractor CDCA control until development and FCA of the hosting top-level CIs has been completed; at that time, CDCA for the lower-level CI specifications is normally transferred to the Government CDCA. [Some programs/projects may decide not to have a Government CDCA for some/all of the lower-level CI performance specifications.] Both the top-level and lower-level CI specifications also include methods for verifying compliance with each requirement identified in them. During this phase, the FCD is updated if required. During the design definition stage of this phase, the product configuration documentation (PCD), including the CI detail specifications, is developed to document the design solutions that satisfy the requirements contained in the ACD. The detail specifications will also include first article and acceptance requirements, as applicable to the CI. The PCD (including the detail specifications) normally reaches maturity with the first production representative unit during the production, fielding/deployment and operational support phase. If the Government plans to control some or all of the PCD, the transfer of the CDCA responsibility will normally occur concurrent with the delivery of that first production unit. During the EMD phase, the FCD and ACD are updated as required. (See MIL-STD-961 for additional guidance on item, software, material and process performance and detail specifications.) The following sample SOW tasks and CDRL remarks can be used as a basis for writing, or reviewing, entries in a proposal:

SOW: “The contractor shall document all functional, performance, interface, and design characteristics, and all changes thereto, for the system and for the configuration items.”

CDRL Block 16 entries [ACCESS]: “Originals of the [*cite specific type(s), if possible for example. top-level performance specifications*], including all rights as the CDCA, shall be placed under control of [*name of Government organization*] within [*specify period of time, for example. 15 days*] after completion of [*cite applicable event, for example. PDR*]. Both prior to and after this transfer of CDCA responsibility, copies of the [*cite specific type(s), for example. top-level performance specifications*], associated metadata and Products and Product Structure data shall be accessible not later than [*cite time period, for example. 3 working days*] after they have been approved or released by the applicable CDCA, starting [*specify appropriate milestone, for example. not later than 30 days after award of this contract*]. Originals of the [*cite specific type(s), for example. top-level performance specifications*] shall be compatible with conversion to [*specify applicable electronic format, for example. WORD 2000, Interleaf, Quick Silver*] format; accessible copies of the [*cite specific type(s), top-level performance specifications*] shall be compatible with conversion to [*specify applicable electronic format, for example. Adobe Acrobat*] format. Access to the system and top-level performance specifications and their revisions, associated metadata and Products and Product Structure data shall be provided for a period not less than [*specify period, for example. ten years*] after delivery of the last production unit. The system and top-level performance specifications (and revisions), associated metadata and Products and Product Structure data shall be compatible with the interface format requirements of the Specification, Part, and Part-Relationship DIPs of AMC-STD-2549.”

“Copies of the [*cite specific type(s), if possible for example. lower-level CI specifications*] and revisions, associated metadata and Products and Product Structure data shall be accessible not later than [*cite time period, for example. 3 working days*] after they have been approved or released by the contractor CDCA, starting [*specify appropriate milestone, for example. not later than 10 days after the release/approval of the first lower-level performance specification*]. Accessible copies of the [*cite specific types, for example. lower-level CI performance specifications*] shall be compatible with conversion to [*specify applicable electronic format, for example. Adobe Acrobat*] format. Access to the [*cite specific types, for example. lower-level CI specifications*] and their revisions, associated metadata and Products and Product Structure data shall be provided for a period not less than [*specify period, for example. ten years*] after delivery of the last production unit.

The [*cite specific types, for example. lower-level performance specifications*], associated metadata and Products and

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Product Structure data shall be compatible with the interface format requirements of the Specification, Part, and Part-Relationship DIPs of AMC-STD-2549.”

CDRL Block 16 entries [DELIVERY]: “Originals of the [*cite specific types, if possible, for example. top-level performance specifications*], including all rights as the CDCA, shall be placed under control of [*name of Government organization*] and delivered within [*specify period of time, for example. 15 days*] after completion of [*cite applicable event, for example. PDR*]. Prior to this transfer of CDCA responsibility, copies of the [*cite specific types, for example. top-level performance specifications*], associated metadata and Products and Product Structure data shall be delivered not later than [*cite time period, for example. 14 working days*] after they have been approved or released by the applicable CDCA, starting [*specify appropriate milestone, for example. not later than 10 days after the release/approval of the first top-level performance specification*]. Copies shall be delivered in [*specify applicable electronic format, for example. Adobe Acrobat*] format. Originals of the [*cite specific types, for example. top-level performance specifications*] shall be delivered not later than [*cite time period, for example. 30 working days*] after they have been approved by the Government in [*specify applicable electronic format, for example. WORD 2000, Interleaf, Quick Silver*] format. The [*cite specific types, for example. system and top-level performance specifications*] and revisions, associated metadata and Products and Product Structure data shall be delivered in accordance with the interface format requirements of the Specification, Part, and Part-Relationship DIPs of AMC-STD-2549.”

“Copies of the [*cite specific types, if possible, for example. lower-level CI specifications*] and revisions, associated metadata and Products and Product Structure data shall be delivered not later than [*cite time period, for example. 14 working days*] after they have been approved or released by the contractor CDCA, starting [*specify appropriate milestone, for example. not later than 10 days after the release/approval of the first lower-level performance specification*]. Copies shall be delivered in [*specify applicable electronic format, for example. Adobe Acrobat*] format. The [*cite specific types, for example. lower-level performance specifications*], associated metadata and Products and Product Structure data shall be delivered in accordance with the interface format requirements of the Specification, Part, and Part-Relationship DIPs of AMC-STD-2549.”

A.4.3.1.2.3 Production, fielding/deployment, and operational support including demilitarization and disposal.

During this phase, the PCD (including the detail specifications) normally reaches maturity with the first production representative unit. Once the detail specifications reach maturity, they will be transferred to Government CDCA control if they are needed to support acquisition and sustainment strategies throughout the remainder of the product’s life cycle. During the production, fielding/deployment and operational support phase, the FCD, ACD and PCD, as applicable, are updated as required to support the procurement, manufacture and sustainment of the delivered systems as well as their related spares and support equipment. (See MIL-STD-961 for additional guidance on item, software, material and process performance and detail specifications.) The following sample SOW tasks and CDRL remarks can be used as a basis for writing, or reviewing, entries in a proposal:

SOW: “The contractor shall document all functional, performance, interface, and design characteristics, and all changes thereto, for the system and for the configuration items.”

CDRL Block 16 entries [ACCESS]: [Use the following wording sample if the Government will control some or all of the detail specifications.] “Originals of the [*cite specific types, if possible, for example. designated detail specifications*], including all rights as the CDCA, shall be placed under control of [*name of Government organization*] within [*specify period of time, for example. 15 days*] after completion of [*cite applicable event, for example. PCA*]. Both prior to and after this transfer of CDCA responsibility, copies of the [*cite specific types, for example. detail specifications*] and revisions, associated metadata and Products and Product Structure data shall be accessible not later than [*cite time period, for example. 3 working days*] after they have been approved or released by the applicable CDCA, starting [*specify appropriate milestone, for example. not later than 10 days after contract award*]. Originals of the [*cite specific types, for example. system performance, and designated detail specifications*] shall be compatible with conversion to [*specify applicable electronic format, for example. WORD 2000, Interleaf, Quick Silver*] format; accessible copies of the [*cite specific types, for example. system, performance, and designated detail specifications*] shall be compatible with conversion to [*specify applicable electronic format, for example. Adobe Acrobat*] format. The [*cite specific types, for example. system, performance, and designated detail specifications*], associated metadata and Products and Product Structure data shall be compatible with the interface format requirements of the Specification, Part, and Part-Relationship DIPs of AMC-STD-2549.”

[Use the following wording sample if the Government will not control the detail specifications.] “Copies of the [*cite specific types, if possible, for example. system, top-level, and lower-level CI performance specifications and the designated detail specifications*] and revisions, associated metadata and Products and Product Structure data shall be accessible not later than [*cite time period, for example. 3 working days*] after they have been approved or released by the applicable CDCA.

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Accessible copies of the *[cite specific types, for example. performance specifications and designated detail specifications]* and revisions shall be compatible with conversion to *[specify applicable electronic format, for example. Adobe Acrobat]* format. Access to the *[cite specific types, for example. system, top-level, and lower-level performance specifications and the designated detail specifications]* and their revisions, associated metadata and Products and Product Structure data shall be provided starting *[specify appropriate milestone, for example. with the signing of this contract]* and for a period not less than *[specify period, eg. ten years]* after delivery of the last production. The *[cite specific types, for example. system, top-level, and lower-level performance specifications and designated detail specifications]* and revisions, associated metadata and Products and Product Structure data shall be compatible with the interface format requirements of the Specification, Part, and Part-Relationship DIPs of AMC-STD-2549.”

CDRL Block 16 entries [DELIVERY]: “Originals of the *[cite specific types, if possible, for example. designated detail specifications]*, including all rights as the CDCA, shall be placed under control of *[name of Government organization]* and delivered within *[specify period of time, for example. 15 days]* after completion of *[cite applicable event, for example. PCA]*. Prior to this transfer of CDCA responsibility, copies of the *[cite specific types, for example. designated detail specifications]*, associated metadata and Products and Product Structure data shall be delivered not later than *[cite time period, for example. 14 working days]* after they have been approved or released by the applicable CDCA, starting *[specify appropriate milestone, for example. not later than 10 days after the release/approval of the first detail specification]*. Originals of the *[cite specific types, for example. designated detail specifications]* shall be delivered in *[specify applicable electronic format, for example. WORD 2000, Interleaf, Quick Silver]* format. The *[cite specific types, for example. designated detail specifications]*, associated metadata and Products and Product Structure data shall be delivered in accordance with the interface format requirements of the Specification, Part, and Part-Relationship DIPs of AMC-STD-2549.”

“Copies of *[cite specific types, for example. detail specifications]* and revisions not controlled by the Government, including associated metadata, shall be delivered not later than *[cite time period, for example. 14 working days]* after they have been approved or released by the applicable CDCA, starting *[specify appropriate milestone, for example. not later than 10 days after the release/approval of the first detail specification]*. The *[cite specific types, for example. detail specifications]*, associated metadata and Products and Product Structure data shall be delivered in accordance with the interface format requirements of the Specification, Part, and Part-Relationship DIPs of AMC-STD-2549.”

A.4.3.1.3 Selection/tailoring of standardization documents [Standard DIP].

Standardization documents are documents which are issued by international, Government, and industry organizations and by private corporations/companies for the purpose of standardizing parts or materials, processes, or practices across a segment of a company, industry, or country. They are called by various names by the issuing entities; they may be called specifications, standards, guidebooks, handbooks, standard practices, protocols, regulations, manuals, standardization agreements, or bulletins. Standardization documents are used during all phases of the product and project life cycle to (1) minimize cost by preventing the necessity of redesigning a part, material, process, or practice which is already in use; (2) promote interchangeability of parts and materials between assemblies; (3) promote seamless interface between organizations or software; or, (4) document “lessons learned” and promote “best practices”. Depending on the type of document involved, standardization documents are typically obtained via content DIDs such as DI-SDMP-81464, -81465, -81470, -81471, -81472, -81474, -81475, -81476. If no content DID exists, other types of standardization documents may be obtained in the originating organization’s format using DI-CMAN-81588. Before ordering from your contractor, determine if a suitable document exists that is already available from another source. (Note that, in some cases, it may be less expensive to have a contractor who is a “member” of the originating organization obtain the document for access by program participants.) If it is less expensive to obtain it from the originating (or custodian) organization, order a copy from that external organization rather than putting the requirement into the contract. If a new standard will have to be generated, determine if it should be a defense document (for example: defense standard, or defense specification.) rather than a contractor or industry standard; if so, it should be developed and issued with a Government identifier and with the intent that the Government will become the CDCA for the document. These standards will be generated or identified on a continuing basis during development of the system and CIs as the design evolves, and the standards must be updated throughout the life cycle of the product. There will be very little, if any, difference in the SOW taskings and in the CDRL entries from phase to phase. The following sample SOW tasks and CDRL remarks can be used as a basis for writing, or reviewing, entries in a proposal:

SOW: “The contractor shall document, catalog, and archive all company, industry, Government, and international standardization documents which define mandatory functional, performance, interface, and design requirements for parts, materials, processes, or practices used in/with the system and the configuration items.”

CDRL Block 16 entries [ACCESS]: “Originals of the *[specify the type(s) of Government standards involved, for example. interface standards]*, including all rights as the CDCA, shall be placed under control of *[name of Government organization]*

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within [specify period of time, for example. 15 days] after completion of [cite applicable event, for example. PDR]. Both prior to and after this transfer of CDCA responsibility, copies of the [specify the type(s) of Government standards involved, for example. interface standards] and associated metadata shall be accessible not later than [cite time period, for example. 3 working days] after they have been approved or released by the applicable CDCA. Originals of the [specify the type(s) of Government standards involved, for example. interface standards] shall be compatible with conversion to [specify applicable electronic format, for example. WORD 2000, Interleaf, Quick Silver] format; accessible copies of the [specify the type(s) of Government standards involved, for example. interface standards] shall be compatible with conversion to [specify applicable electronic format, for example. Adobe Acrobat] format. Access to the [specify the type(s) of Government standards involved, for example. interface standards] and their revisions, associated metadata and Products and Product Structure data shall be provided starting [specify appropriate milestone, for example. not later than 10 days after the release/approval of the first interface standard] and for a period not less than [specify period, for example. ten years] after delivery of the last production unit. The [specify the type(s) of Government standards involved, for example. interface standards] and associated metadata shall be compatible with the interface format requirements of the Standard DIP of AMC-STD-2549.”

“Copies of the [specify the type(s) of standards involved, for example. company process standards] revisions and associated metadata shall be accessible not later than [cite time period, for example. 3 working days] after they have been approved or released by the applicable CDCA. Accessible copies of the [specify the type(s) of standards involved, for example. company process standards] shall be compatible with conversion to [specify applicable electronic format, for example. Adobe Acrobat] format. Access to the [specify the type(s) of standards involved, for example. company process standards] and their revisions and associated metadata shall be provided for a period not less than [specify period, for example. ten years] after delivery of the last production unit. The [specify the type(s) of standards involved, for example. company process standards] and associated metadata shall be compatible with the interface format requirements of the Standard DIP of AMC-STD-2549.”

CDRL Block 16 entries [DELIVERY]: “Originals of the [specify the type(s) of Government standards involved, for example. interface standards], including all rights as the CDCA, shall be placed under control of [name of Government organization] and delivered within [specify period of time, for example. 15 days] after completion of [cite applicable event, for example. PDR]. Prior to this transfer of CDCA responsibility, copies of the [specify the type(s) of standards involved, for example. interface standards] and associated metadata shall be delivered not later than [cite time period, for example. 3 working days] after they have been approved or released by the applicable CDCA, starting [specify appropriate milestone, for example. not later than 10 days after the release/approval of the first interface standard]. Originals of the [specify the type(s) of Government standards involved, for example. interface standards] shall be available in [specify applicable electronic format, for example. WORD 2000, Interleaf, Quick Silver] format. The [specify the type(s) of Government standards involved, for example. interface standards] and associated metadata shall be delivered in accordance with the interface format requirements of the Standard DIP of AMC-STD-2549.”

“Copies of the [specify the type(s) of standards involved, for example. company process standards] and revisions and associated shall be delivered not later than [cite time period, for example. 3 working days] after they have been approved or released by the applicable CDCA. Copies of the [specify the type(s) of standards involved, for example. company process standards] shall be available in [specify applicable electronic format, for example. Adobe Acrobat] format. The [specify the type(s) of standards involved, for example. company process standards] and associated metadata and shall be delivered in accordance with format requirements of the Standard DIP of AMC-STD-2549.”

A.4.3.1.4 Selection and tailoring associated with models [Part-Model DIP].

Paperless designs, also called electronic models, may be required for any product (including mission equipment, special inspection equipment, training devices, or special tooling,.) in lieu of engineering Drawings. One advantage to this approach is that the part structure is embedded in the design files. One disadvantage is that they cannot be reviewed without access to the commercial software with which they were created. This disadvantage usually means that it is inadvisable to obtain electronic models in the PD&RR and EMD phases unless the commercial software is available. [However, a translation between commercial tools may be possible by specifying delivery in ISO-10303, Application Protocol (AP) 203 format (Standard for the Exchange of Product Model Data [STEP]).] Selection of electronic models is not recommended unless the program has assured itself that they have the ability to use information in this format. This option is only available for commercial parts; this limitation is necessary because the DoD does not have a methodology for identifying parts without an associated Drawing or material specification. This does not restrict the ordering of electronic models in conjunction with engineering Drawings, program-unique specifications, or standardization documents. Electronic models can be used: (1) during the program definition and risk reduction phase, if the commercial software is available, to verify preliminary design and engineering and confirm that the technology is feasible and that the design concept has the potential to be useful in meeting a specific requirement; (2) during the engineering and manufacturing development phase, if the commercial software is available, to describe a specific design approach, provide the information to produce material for test or

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experimentation, and for the analytical evaluation of the inherent ability of the design approach to attain the required performance; (3) during the production, fielding/deployment, and operational support phase when there is a current or future need for the Government to procure or manufacture the equipment, components, or spares and repair parts from an alternate source; or, (4) during the production, fielding/deployment, and operational support phase, after production, when the Government will maintain the equipment using organic support or will contract maintenance support from a supplier other than the original designer of the equipment. Electronic part model information is typically obtained via DI-CMAN-81588. If the decision is to buy the originals, determine that an archive copy of the appropriate commercial application software is available. The following sample SOW tasks and CDRL remarks can be used as a basis for writing, or reviewing, entries in a proposal for work in the production, fielding/deployment, operation, and support, including demilitarization and disposal phase (samples for PD&RR and EMD phases are not provided):

SOW: “The contractor shall save and archive all electronic part models, and all changes thereto, developed wholly or partly with Government funds.”

CDRL Block 16 entries [ACCESS]: “Copies of [*cite types, if possible, for example. designated electronic part models*], associated metadata and Products and Product Structure data shall be accessible within [*specify period of time, for example. 10 days*] after [*cite applicable event, for example. award of contract*]. Revisions to the [*cite types, for example. electronic part models*] shall be accessible not later than [*cite time period, for example. 3 working days*] after they have been approved or released by the contractor CDCA. The [*cite types, for example. electronic part models*] shall be in ISO-10303, AP 203 compatible format. Access to the [*cite types, for example. electronic part models*] and their revisions, associated metadata and Products and Product Structure data shall be provided starting [*cite appropriate milestone, such as: with the signing of this contract*] and for a period not less than [*specify period, for example. ten years*] after delivery of the last production unit. The [*cite types, for example. electronic part models*], associated metadata and Products and Product Structure data shall be compatible with the electronic interface format requirements of Part-Model DIP of AMC-STD-2549.”

CDRL Block 16 entries [DELIVERY]: “Copies of [*cite types, if possible, for example. designated electronic part models*], associated metadata and Products and Product Structure data shall be delivered within [*specify period of time, for example. 30 days*] after [*cite applicable event, for example. award of contract*]. Revisions to the [*cite types, for example. electronic part models*], associated metadata and Products and Product Structure data shall be delivered not later than [*cite time period, for example. 3 working days*] after they have been approved or released by the contractor CDCA. The [*cite types, for example. electronic part models*] shall be in ISO-10303, AP 203 compatible format. The [*cite types, for example. electronic part models*], associated metadata and Products and Product shall be delivered in accordance with the electronic interface format requirements of DIP 3A of AMC-STD-2549.”

A.4.3.1.5 Selection and tailoring of software [Software and Software-Documentation DIPs].

Software (for example., computer programs) may be required for any product, including mission equipment, special inspection equipment, training devices, special tooling, administrative processes, and record keeping. Software may also be a product in itself. (See International Standardization Organization (ISO) 9000-3). Mission equipment software is usually obtained during the latter part of EMD phase or the early part of the production fielding/deployment and operation and support phase. Other software (for example., for special inspection equipment, training devices) are usually deliverable during the production phase. Frequently, in order for software to execute, a specific software environment (including hardware and software) must be available; these requirements are usually described in a Software Support Document (for example., Software Version Description document or Computer Operation Manual) (see Software-Documentation DIP). Software may be obtained as executable (also known as compiled or object) code or as source code. Object code is one representation of software; it allows the user to execute the program and use it as it was designed to be used, but it does not allow the user to change how the software works or what it does. Source code allows the user to change how the software works or what it does; it also allows the user to automatically create object code to execute the program. Software code is typically obtained via DI-CMAN-81588 in the CDRL. Mission equipment software code (for example., embedded code) is normally delivered in electronic format as part of the, or referenced to in the, software detail specification (Specification DIP). It may also be delivered as a separate item on magnetic or optical media. If the Government decides to buy the original code, it is normally necessary to acquire an archive copy of the appropriate software development environment (and possibly the software test environment) if the Government personnel will need to be able to modify the software or if changes to the software will be accomplished by contracting the modification efforts from a supplier other than the original designer of the software. The following sample SOW tasks and CDRL remarks can be used as a basis for writing, or reviewing, entries in a proposal for work in the EMD phase, (samples for PD&RR, production, fielding/deployment, operation, and support phases are not provided):

SOW: “The contractor shall save and archive all software code, and all changes thereto, developed wholly or partly with Government funds.”

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CDRL Block 16 entries [ACCESS]: “Copies of [*cite specific types, if possible, for example.* designated software code], associated metadata and Products and Product Structure data shall be accessible within [*specify period of time, for example.* 10 days] after [*cite applicable event, for example.,* physical configuration audit]. Revisions to the [*cite specific types, for example.* software code], associated metadata and Products and Product Structure data shall be accessible not later than [*cite time period, for example.* 3 working days] after they have been approved or released by the contractor CDCA. Access to the [*cite specific types, for example.* software code] and its revisions, associated metadata and Products and Product Structure data shall be provided starting [*specify appropriate milestone, for example.* not later than 10 days after the release/approval of the first software] and for a period not less than [*specify period, for example.* ten years] after PCA. The [*cite specific types, for example.* software code], associated metadata and Products and Product Structure data shall be compatible with the interface format requirements of the Software and Software-Documentation DIPs of AMC-STD-2549.”

CDRL Block 16 entries [DELIVERY]: “Copies of [*cite specific types, if possible, for example.* designated software code], associated metadata and Products and Product Structure data shall be delivered within [*specify period of time, for example.* 30 days] after [*cite applicable event, for example.* FCA or PCA]. Revisions to the [*cite specific types, for example.* software code], associated metadata and Products and Product Structure data shall be delivered not later than [*cite time period, for example.* 10 working days] after they have been approved or released by the contractor CDCA. The [*cite specific types, for example.* software code], associated metadata and Products and Product Structure data shall be delivered in accordance with the interface format requirements of Software and Software-Documentation DIPs of AMC-STD-2549.”

A.4.3.1.6 Selection/tailoring of software support documents [Software-Documentation DIP].

Software support documents may be required for any software product, including mission equipment, special inspection equipment, training devices, special tooling, administrative processes and record keeping. Software support documents are typically obtained via DIDs such as DI-IPSC-81430, -81435, -81436, -81437, -81439, -81442, -81443, -81444, -81445, -81446, -81447, (or DI-CMAN-81588 if no other appropriate DID exists) in the CDRL. The number and type of software support documents is highly dependent upon the type of acquisition being employed. With performance-based acquisition, the most common types of documents will be those used to install, operate/use, and reproduce the software product. If the acquisition is design-based, many other types of software support documents may be acquired, particularly those required to maintain the software product.

A.4.3.1.6.1 PD&RR phase.

During this phase, the most common types of software support documents that would be acquired, if any, are the planning and concept documents for the system and for top-level hardware and software components; they would normally be obtained utilizing DI-IPSC-81427A, DI-IPSC-81429A, DI-IPSC-81430A. It is also possible that the managing activity would want access to the design activity's draft software support documents (for example., DI-IPSC-81428A, DI-IPSC-81432A, DI-IPSC-81435A, DI-IPSC-81439A), if it is necessary to verify preliminary design and engineering and confirm that the technology is feasible and that the design concept has the potential to be useful in meeting a specific requirement. The following sample SOW tasks and CDRL remarks can be used as a basis for writing or reviewing entries in a proposal:

SOW: “The contractor shall document all software support information, and all changes thereto, developed wholly or partly with Government funds.”

CDRL Block 16 entries (ACCESS): “Copies of the [*cite specific types, if possible, for example.* software support plan], and their revisions and associated metadata, shall be accessible not later than [*cite time period, for example.* 3 working days] after they have been approved or released by the contractor CDCA. The [*cite specific types, for example.* software support plan] shall be compatible with conversion to [*specify applicable electronic format, for example.* Adobe Acrobat] format. Access to these [*cite specific types, for example.* software support plans] and their revisions and associated metadata shall be provided starting [*specify appropriate milestone, for example.* with the signing of this contract] and for a period not less than [*specify period, for example.* ten years] after delivery of the last production unit. The [*cite specific types, for example.* software support plans] and associated metadata shall be compatible with the interface format requirements of the Software-Documentation DIP of AMC-STD-2549.”

CDRL Block 16 entries (DELIVERY): “Copies of the [*cite specific types, if possible, for example.* software support plan] and associated metadata shall be provided starting [*specify appropriate milestone, for example.* within 14 days of the signing of this contract]. Revisions and associated metadata shall be delivered not later than [*cite time period, for example.* 10 working days] after they have been approved or released by the contractor CDCA. The [*cite specific types, for example.* software support plan] shall be available in [*specify applicable electronic format, for example.* Adobe Acrobat] format. The [*cite specific types, for example.* software support plans] and associated metadata shall be delivered in accordance with the interface format requirements of the Software-Documentation DIP of AMC-STD-2549.”

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A.4.3.1.6.2 EMD phase.

During this phase, the most common types of software support documents that would be acquired, are the draft documents related to installing, operating, maintaining and reproducing the software product for the software system; they would normally be obtained utilizing DI-IPSC-81432A through DI-QCIC-81449A. It is also possible that the managing activity would want access to the design activity's design description documents (DI-IPSC-81432A, DI-IPSC-81435A, DI-IPSC-81437A), if it is necessary to evaluate a specific design approach or for the analytical evaluation of the inherent ability of the design approach to attain the required performance (perhaps as a part of PDRs and CDRs). (See ISO 9000-3 additional guidance) The following sample SOW tasks and CDRL remarks can be used as a basis for writing or reviewing entries in a proposal: [NOTE: The following samples were written for the scenario the contractor to do most/all of the software maintenance. Government personnel who interface with the software use contractor-controlled manuals. If the Government will maintain the software, and will buy and control the originals of the manuals, then wording similar to the samples in A.4.3.1.1.2 should also be used.]

SOW: "The contractor shall document all software support information, and all changes thereto, developed wholly or partly with Government funds."

CDRL Block 16 entries (ACCESS): "Copies of the draft [*cite specific types, if possible, for example. firmware support manuals and operators' manuals*], and their revisions and associated metadata, shall be accessible not later than [*cite time period, for example. 3 working days*] after they have been approved or released by the contractor CDCA. The [*cite specific types, for example. firmware support manuals and operators' manuals*] shall be compatible with conversion to [*specify applicable electronic format, for example. Adobe Acrobat*] format. Access to these [*cite specific types, for example. firmware support manuals and operators' manuals*] and their revisions and associated metadata shall be provided starting [*specify appropriate milestone, for example. not later than 30 days after the PDR*] and for a period not less than [*specify period, for example. ten years*] after delivery of the last production unit. The [*cite specific types, for example. firmware support manuals and operators' manuals*] and associated metadata shall be compatible with the interface format requirements of the Software-Documentation DIP of AMC-STD-2549."

CDRL Block 16 entries (DELIVERY): "Copies of the draft [*cite specific types, if possible, for example. firmware support manuals and operators' manuals*] and associated metadata shall be delivered starting [*specify appropriate milestone, for example. not later than 30 days after the PDR*]. Revisions and associated metadata shall be delivered not later than [*cite time period, for example. 10 working days*] after they have been approved or released by the contractor CDCA. The [*cite specific types, for example. firmware support manuals and operators' manuals*] shall be available in [*specify applicable electronic format, for example. Adobe Acrobat*] format. The [*cite specific types, for example. firmware support manuals and operators' manuals*] and associated metadata shall be delivered in accordance with the interface format requirements of the Software-Documentation DIP of AMC-STD-2549."

A.4.3.1.6.3 Production, fielding/deployment, and operational support including demilitarization and disposal.

If the Government personnel will provide the software maintenance, we would acquire Government-controlled software support documents for the software product, including information about the software development environment and the software test environment. If the original software developer is to provide software maintenance, during this phase, the most common types of documents that would be acquired, if any, are the contractor-controlled software manuals, and updates, to be used by Government personnel, although it is also possible that the Government will need to access copies of contractor support documents in order to assess design-activity approved changes to accept or reject them for incorporation into software being purchased under this contract. The number and type of software support documents that could be acquired during this phase is highly dependent upon the complexity of the software product, the amount of maintenance to be accomplished by Government personnel, and the type of acquisition, that is, performance-based vs design-based. The following sample SOW tasks and CDRL remarks can be used as a basis for writing or reviewing entries in a proposal:

SOW: "The contractor shall document all software support information, and all changes thereto, developed wholly or partly with Government funds."

CDRL Block 16 entries (ACCESS): "Copies of the [*cite specific types, if possible, for example. firmware support manuals and operators' manuals*], and their revisions and associated metadata, shall be accessible not later than [*cite time period, for example. 3 working days*] after they have been approved or released by the contractor CDCA. The [*cite specific types, for example. firmware support manuals and operators' manuals*] shall be compatible with conversion to [*specify applicable electronic format, for example. Adobe Acrobat*] format. Access to these [*cite specific types, for example. firmware support manuals and operators' manuals*] and their revisions and associated metadata shall be provided starting [*specify appropriate milestone, for example. not later than 30 days after award of this contract*] and for a period not less than [*specify period, for*

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example. ten years] after delivery of the last production unit. The *[cite specific types, for example. firmware support manuals and operators' manuals]* and associated metadata shall be compatible with the interface format requirements of the Software-Documentation DIP of AMC-STD-2549."

CDRL Block 16 entries (DELIVERY): "Copies of the *[cite specific types, if possible, for example. firmware support manuals and operators' manuals]* and associated metadata shall be delivered starting *[specify appropriate milestone, for example. not later than 30 days after award of this contract]*, starting *[specify appropriate milestone, for example. not later than 30 days after award of this contract]*. Revisions and associated metadata shall be delivered not later than *[cite time period, for example. 10 working days]* after they have been approved or released by the contractor CDCA. The *[cite specific types, for example. firmware support manuals and operators' manuals]* shall be available in *[specify applicable electronic format, for example. Adobe Acrobat]* format. The *[cite specific types, for example. firmware support manuals and operators' manuals]* and associated metadata shall be delivered in accordance with the interface format requirements of the Software-Documentation DIP of AMC-STD-2549."

A.4.3.2 DIPs associated with Other Product Related Documents (general documents, technical manuals and supplements)

A.4.3.2.1 Selection and tailoring of general documents including tech manuals [General-Document and Technical-Manual DIPs].

General documents include quality assurance provisions, packaging instructions, safety data sheets, plans, procedures, analyses, books, and technical manuals, which are required by the Government for any reason and which are not covered by more specific DIPs addressed elsewhere in this appendix. Some of the types of documents in this category (such as design analyses and technical manuals) can be required during any phase of a program; others (such as verification procedures or reports) are only important during a single phase. The SOW and CDRL entries you provide should address updates of documents that are continuing while also addressing indexing and archiving of documents that may be needed as references at some time in the future. General documents will be obtained via a content DID for that type of document, if one exists. Otherwise, the documents would be obtained in the originating organization's format using DI-CMAN-81588. [See DoD 5010.12-L, Acquisition Management and Data Requirements Control List (AMSDL) for existing DIDs for the documents.]

A.4.3.2.1.1 PD&RR phase.

During the system definition stage and the early part of the allocated performance definition stage of this phase, the system performance specification, top-level CI performance specifications, and various interface and design Drawings are derived from the program/project needs documentation. The availability of the specifications and Drawings is provided through the Drawing and Specification DIPs, but various systems engineering documentation (such as tradeoff studies; risk, cost, and performance analyses; and simulation results) will be generated that the Government may also want to review/analyze. Contractor plans for the program/project (such as system engineering plans and logistics support plans) may also be of interest to the Government. Also, if a competitive prototype performance "test off" will be a part of this phase, the Government may be interested in reviewing the test procedures and test results. The following sample SOW tasks and CDRL remarks can be used as a basis for writing, or reviewing, entries in a proposal:

SOW: "The contractor shall document, index, and archive all planning, analysis, and tradeoff study information, including changes thereto, for the system and for the configuration items."

CDRL Block 16 entries [ACCESS]: "Copies of the *[specify the type(s) of documents involved, if possible, for example. system design analyses]* and revisions and associated metadata shall be accessible not later than *[cite time period, for example. 3 working days]* after they have been approved or released by the contractor CDCA. Accessible copies of the *[specify the type(s) of documents involved, for example. system design analyses]* shall be compatible with conversion to *[specify applicable electronic format, for example. Adobe Acrobat]* format. Access to the *[specify the type(s) of documents involved, for example. system design analyses]* and their revisions and associated metadata shall be provided starting *[cite appropriate milestone, such as: with the release/approval of the first design analysis]* and for a period not less than *[specify period, for example. ten years]* after delivery of the last production unit. The *[specify the type(s) of documents involved, for example. system design analyses]* and associated metadata shall be compatible with the interface format requirements of the General-Document DIP of AMC-STD-2549."

CDRL Block 16 entries [DELIVERY]: "Copies of the *[specify the type(s) of documents involved, if possible, for example. system design analyses]* and revisions and associated metadata shall be delivered not later than *[cite time period, for example. 10 working days]* after they have been approved or released by the contractor CDCA, starting *[cite appropriate milestone, such as: with the release/approval of the first design analysis]*. Deliverable copies of the *[specify the type(s) of documents involved, for example. system design analyses]* shall be provided in *[specify applicable electronic format, for example. Adobe Acrobat]* format. The *[specify the type(s) of documents involved, for example. system design analyses]* and

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associated metadata shall be delivered in accordance with the interface format requirements of the General-Document DIP of AMC-STD-2549.”

A.4.3.2.1.2 EMD phase.

During the latter part of the allocated performance definition stage and as a part of the design definition stage of this phase, the top-level CI performance specifications are refined and approved, the lower-level CI performance specifications are generated and approved, and the interface and design Drawings and the production documentation are finalized. This part of the development process also includes a number of design reviews, a prolonged period of verification testing, and (at least) a functional configuration audit. The availability of the specifications and Drawings is provided through the Specification and Drawing DIP, but various systems engineering documentation (such as tradeoff studies; risk, cost, and performance analyses; and simulation results) will be generated that the Government may also want to review/analyze. As a part of the verification testing, various plans, procedures, and compilations of results/analyses will be generated that the Government may also want to review/analyze. Also, documentation that will be used to support the product (such as technical manuals) will be generated; the Government may also want to review/analyze those documents that will be used by Government (or other contractor) personnel as they perform some of the logistics support activities for the product. The following sample SOW tasks and CDRL remarks can be used as a basis for writing, or reviewing, entries in a proposal:

SOW: “The contractor shall document, index, and archive all planning, analysis, and tradeoff study information, including changes thereto, relating to the development, test, production, operation, and support of the system and the configuration items.”

CDRL Block 16 entries [ACCESS]: “Copies of the [*specify the type(s) of documents involved, possible, for example. software test procedures*] and revisions and associated metadata shall be accessible not later than [*cite time period, for example. 3 working days*] after they have been approved or released by the contractor CDCA. Accessible copies of the [*specify the type(s) of documents involved, for example. software test procedures*] shall be compatible with conversion to [*specify applicable electronic format, for example. Adobe Acrobat*] format. Access to the [*specify the type(s) of documents involved, for example. software test procedures*] and their revisions and associated metadata shall be provided starting [*cite appropriate milestone, such as: with the release/approval of the first test procedure*] for a period not less than [*specify period, for example. ten years*] after delivery of the last production unit. The [*specify the type(s) of documents involved, for example. software test procedures*] and associated metadata shall be compatible with the interface format requirements of the General-Document DIP of AMC-STD-2549.”

CDRL Block 16 entries [DELIVERY]: “Copies of the [*specify the type(s) of documents involved, if possible, for example. software test procedures*] and revisions and associated metadata shall be delivered not later than [*cite time period, for example. 10 working days*] after they have been approved or released by the contractor CDCA, starting [*cite appropriate milestone, such as: with the release/approval of the first test procedure*]. Deliverable copies of the [*specify the type(s) of documents involved, for example. software test procedures*] shall be provided in [*specify applicable electronic format, for example. Adobe Acrobat*] format. The [*specify the type(s) of documents involved, for example. software test procedures*] and associated metadata shall be delivered in accordance with the interface format requirements of the General-Document DIP of AMC-STD-2549.”

A.4.3.2.1.3 Production, fielding/deployment, and operational support including demilitarization and disposal.

During both the production and the post-production stages of this phase, the main type of information of interest to the Government is the support documentation (such as technical manuals) being used by Government personnel or other contractor personnel to maintain the product). The Government may want to review/analyze those documents. The following sample SOW tasks and CDRL remarks can be used as a basis for writing, or reviewing, entries in a proposal:

SOW: “The contractor shall document, index, and archive all logistics support information and documentation, including changes thereto, for the system and the configuration items.”

CDRL Block 16 entries [ACCESS]: “Copies of the [*specify the type(s) of documents involved, if possible, for example. technical manuals*] and revisions and associated metadata shall be accessible not later than [*cite time period, for example. 3 working days*] after they have been approved or released by the contractor CDCA. Accessible copies of the [*specify the type(s) of documents involved, for example. technical manuals*] shall be compatible with conversion to [*specify applicable electronic format, for example. Adobe Acrobat*] format. Access to the [*specify the type(s) of documents involved, for example. technical manuals*] and their revisions and associated metadata shall be provided starting [*cite appropriate milestone, such as: with the release/approval of the first technical manual*] and for a period not less than [*specify period, for example. ten*]

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years] after delivery of the last production unit. The [specify the type(s) of documents involved, for example. technical manuals] and associated metadata shall be compatible with the interface format requirements of the Technical-Manual DIP of AMC-STD-2549.”

CDRL Block 16 entries [DELIVERY]: “Copies of the [specify the type(s) of documents involved, if possible, for example. technical manuals] and revisions and associated metadata shall be delivered not later than [cite time period, for example. 10 working days] after they have been approved or released by the contractor CDCA, starting [cite appropriate milestone, such as: with the release/approval of the first technical manual]. Deliverable copies of the [specify the type(s) of documents involved, for example. technical manuals] shall be provided in [specify applicable electronic format, for example. Adobe Acrobat] format. The [specify the type(s) of documents involved, for example. technical manuals] and associated metadata shall be delivered in accordance with the interface format requirements of the Technical-Manual DIP of AMC-STD-2549.”

A.4.3.2.2 Selection and tailoring of document supplements [Document-Supplement DIP].

Document supplements are used during any phase to prevent the necessity and cost of re-distributing an entire paper document (such as a specification) when only a portion of the document has changed and to expedite the distribution of changes to a document when paper is the primary medium. As a result, complex tiered systems of identifying changes to revisions, notices to revisions, and supplements to changes. have been developed. They are treated as a separate category only because of these specialized identification requirements. Document supplements are also used (especially in the Post-production Operations and Support stage of design maturity) when the information defined by a contractor-controlled paper or electronic document (such as a Drawing or a technical manual) needs to be updated to reflect a change generated by a design activity other than the CDCA for the document. Supplements include changes to revisions of Government technical manuals; addenda to commercial technical manuals; routine, operational, safety, and page supplements to Government technical manuals; specification (page) change notices to program-unique specifications; and altered item Drawings to supplement existing contractor-controlled Drawings. Document supplements are typically obtained via a CDRL citing a DID for the supplement, a DID for the basic document, or DI-CMAN-81588 if no other appropriate DID exists. [See DoD 5010.12-L, Acquisition Management and Data Requirements Control List (AMSDL) for existing DIDs for the documents.] There will be very little, if any, difference in the SOW taskings and in the CDRL entries from phase to phase; the primary difference would be the use of delivery of paper supplements during most phases while access to electronic supplements will apply mainly to the post-production time frame. The following sample SOW tasks and CDRL remarks can be used as a basis for writing, or reviewing, entries in a proposal:

SOW: “The contractor shall document all changes to paper documents which define mandatory functional, performance, interface, and design requirements for parts, materials, processes, or practices used in/with the system and the configuration items.”

CDRL Block 16 entries [ACCESS]: “Originals of the [cite types, if possible, for example. specification change notices], including all rights as the CDCA, shall be placed under control of [name of Government organization] within [specify period of time, for example. 7 days] after Government approval. Both prior to and after this transfer of CDCA responsibility, copies of the [cite types, for example. specification change notices] and associated metadata shall be accessible not later than [cite time period, for example. 3 working days] after they have been approved by the CDCA. Originals of the [cite types, for example. specification change notices] shall be compatible with conversion to [specify applicable electronic format, for example. WORD 2000] format; accessible copies of the [cite types, for example. specification change notices] shall be compatible with conversion to [specify applicable electronic format, for example. Adobe Acrobat] format. Access to these [cite types, for example. specification change notices] and their revisions and associated metadata shall be provided starting [cite appropriate milestone, such as: with the signing of this contract] and for a period not less than [specify period, for example. ten years] after delivery of the last production unit. The [cite types, for example. specification change notices] and associated metadata shall be compatible with the interface format requirements of Document-Supplement DIP of AMC-STD-2549.”

CDRL Block 16 entries [DELIVERY]: “Originals of the [cite types, if possible, for example. specification change notices], including all rights as the CDCA, shall be placed under control of [name of Government organization] and delivered in [specify applicable format, for example. paper, WORD 2000] format within [specify period of time, for example. 7 days] after Government approval of the related ECP. The [cite types, for example. specification change notices] and associated metadata shall be compatible with the interface format requirements of Document-Supplement DIP of AMC-STD-2549.”

A.4.3.3 DIPs associated with Part and Part Relationship [Products and Product Structure].

A.4.3.3.1 Selection and tailoring associated with basic part identification information [Part DIP].

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This basic information about parts and materials is used to aid those responsible for sustainment of the operational inventory of a product to plan for maintenance actions and for spare parts procurements. It is mainly needed as the project enters the production, deployment, operation and support life-cycle phase, although there is some use of the information as we evaluate the evolving design during development. Under acquisition reform, the primary concern is to document the installed assemblies/parts in the delivered units which will be procured/supported by a Government organization or by a commercial organization other than the original manufacturer. There is also a need to have information about equivalent/substitute parts (especially those already in the DoD inventory) that can be used in maintenance actions; however, this information also is needed where the contractor assigns Part identifiers which are used internal to the company, even though there are suitable Government-assigned identifiers for the Parts. The basic parts information is usually obtained as a part of the design documentation (Drawings, specifications, or standards) for the product, so it is not always necessary to order this information separately. However, if the design documentation (especially the Drawings) is not being ordered, but Government support of the product is planned, then this information should be ordered for those parts to be supported by the Government. The information about the equivalent parts should be ordered for those parts to be supported by the Government; it is not provided with the design documents. The following sample SOW tasks and CDRL remarks can be used as a basis for writing, or reviewing, entries in a proposal for work in the production, fielding/deployment, operation, and support, including demilitarization and disposal phase (samples for PD&RR and EMD phases are not provided):

SOW: “The contractor shall document all information about parts and materials, about alternative identifiers for identical/equivalent Parts, and about all changes thereto, for which an organization other than the manufacturer will be purchasing spares and/or maintaining them.”

CDRL Block 16 entries (ACCESS): “The information on designated parts and materials (and of equivalent/alternative/substitute parts and materials) shall be accessible not later than *[cite time period, for example. 3 working days]* after they have been approved by the CDCA. Access to this and its revisions shall be provided starting *[cite appropriate milestone, such as: with the signing of this contract]* and for a period not less than *[specify period, for example. ten years]* after delivery of the last production unit. The information shall be compatible with the interface format requirements of the Part DIP of AMC-STD-2549.”

CDRL Block 16 entries (DELIVERY): “The information on designated parts and materials (and of equivalent/alternative/substitute parts and materials) shall be delivered not later than *[cite time period, for example. 30 calendar days]* after signing of the contract. Revisions to this information shall be delivered *[cite submittal frequency, for example. monthly]* incorporating CDCA approval actions accomplished up to *[cite time period, for example. 3 working days]* before the submittal date of the updated listing. The information shall be delivered in accordance with the electronic interface format requirements of the Part DIP of AMC-STD-2549.”

A.4.3.3.2 Selection and tailoring associated with as-built/as-delivered configuration and changes to fielded items [Part-Relationship DIP].

This information is the core information necessary for configuration management of fielded assets. It normally involves the generation of a discrete record for each manufactured unit (or lot) that is first created during manufacture of the unit/lot, including a record of traceability identifiers for installed Parts and reference to any approved deviations included in the unit/lot. The record is used throughout the remainder of the product life cycle to identify the precise components of any assembly as various maintenance and modifications activities are accomplished, to assist in identifying failure trends and determine the causative factors for such trends, and to allow for inventory control of assets including recall or demilitarization of defective or obsolete units. It is also used by operations to assign assets to specific missions. If obtained from the contractor, As-maintained/As-modified records should not be ordered unless the As-built/As-delivered records are obtained, and neither should be ordered unless the basic parts traceability information (Part DIP) is ordered. [Many DoD services and organizations have existing information systems to track the maintenance and modification actions on items they maintain, so it may be necessary to obtain only the as-built/as-delivered information from the contractor.] As-built/as-delivered configuration information and records of changes to fielded items are typically obtained via DI-CMAN-81588 in the CDRL. This type of information is sometimes required during development to track test prototypes and would be even more likely if those prototypes were intended to enter the operational inventory. However, this as-built/as-delivered/as-maintained information is most commonly generated/required during the production, fielding/deployment, operation, and support phase (including demilitarization and disposal); the following sample SOW tasks and CDRL remarks can be used as a basis for writing, or reviewing, entries in a proposal for work in that phase:

SOW: “The contractor shall record as-built/as-delivered information, and all changes thereto, about parts and materials which are safety, health, or mission critical or for which an organization other than the manufacturer will be purchasing spares and/or maintaining them.” *[Optional additional task if Government doesn't keep track of maintenance/modification information: “Information about maintenance and retrofit/modification actions completed on these tracked items shall also be recorded.”]*

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CDRL Block 16 entries (ACCESS): “The as-built/as-delivered information on parts and materials in each deliverable unit shall be accessible not later than [*cite time period, for example. 3 working days*] after completion of the manufacture of the new unit. [*If maintenance/modification information is obtained from the contractor, include:* Updates to this information to reflect accomplishment maintenance actions and approved retrofits/modifications shall be accessible not later than [*cite time period, for example. 3 working days*] after completion of the maintenance or retrofit action.] Access to these listings [*if maintenance/modification information is obtained from the contractor, include:* and their updates] shall be provided starting [*cite appropriate milestone, such as:* with the delivery of the first unit] and for a period not less than [*specify period, for example. ten years*] after delivery of the last production unit. This information listings shall be compatible with the electronic interface format requirements of the Part Relationship DIP of AMC-STD-2549.”

CDRL Block 16 entries (DELIVERY): “The as-built/as-delivered information on parts and materials in each deliverable unit shall be delivered not later than [*cite time period, for example. 10 working days*] after completion of the manufacture of the new unit, starting [*cite appropriate milestone, such as:* with the delivery of the first unit]. [*If maintenance/modification information is obtained from the contractor, include:* Updates to this information to reflect accomplishment maintenance actions and approved retrofits/modifications shall be delivered [*cite submittal frequency, for example. monthly*] incorporating all maintenance and retrofit actions accomplished up to [*cite time period, for example. 3 working days*] before the submittal date of the updated listing.] Submittal of this information shall start [*cite time period, for example. 30 days*] after award of this contract. The information shall be in accordance with the electronic interface format requirements of the Part Relationship DIP of AMC-STD-2549.”

A.4.3.4 DIPs associated with Configuration Control information (Engineering Change Proposals, Notices of Revision, and Requests For Deviation).

A.4.3.4.1 Selection and tailoring associated with Engineering change proposals [Engineering-Change-Proposal DIP], including Notices of Revision [Notice-Of-Revision DIP].

Engineering change proposals (ECPs) document proposed changes in the requirements or design of an item for which the Government is the CDCA. [Where a document change is required, the ECP will include Notice of Revision (NOR) information or will have the NOR(s) attached.] ECPs provide a vehicle for dissemination of change impact information and for obtaining comments/coordination of the proposed changes from all interested parties. If the change has a priority of emergency, this processing must be accomplished very expeditiously; it is not unusual for a message-type ECP to be used in this case to reach a decision, authorize the change as quickly as possible, and follow it up with a formal ECP to completely describe and contractually incorporate the change. If the proposed change will have a routine priority, it is not unusual for the Government to request brief preliminary ECPs (formerly called Advanced Change Study Notices or Modification Requests) as a vehicle for authorizing/avoiding the cost/work effort involved in preparing a formal ECP; the change would be authorized only if the formal ECP is approved. ECPs are used during all phases to propose, justify, and coordinate a change to the functional, performance, interface and/or design requirements for an item as documented in the program-unique system performance and/or CI performance specification(s) and/or CI detail specification(s)/engineering Drawings for which the Government is the CDCA. (Before the Government is the CDCA, the contractor has that responsibility along with change control responsibility and should generate/process change documents (which may be ECPs) internally before changes are made to the contractor-controlled documents. If CDCA continues to reside with the contractor during the production/deployment phase, the Government may want to receive copies of the approved NORs.) The timing for the transfer of CDCA responsibility to the Government is key to the Government’s requirement for ECPs:

- a. The Government CDCA for the system specification (functional baseline), or for the highest top-level CI performance specification (functional/allocated baseline), for the program/project will normally start near the end of the PD&RR phase. After that time, Class I ECPs will be needed to facilitate Government CDCA decisions about changes to those documents.
- b. The Government CDCA for the top-level CI performance specifications (allocated baselines) will normally start early in the EMD phase. After that time, Class I ECPs will be needed to facilitate Government CDCA decisions about changes to those documents.
- c. The Government CDCA for the lower-level CI performance specifications (allocated baselines) will normally start with the completion of the FCA for the hosting top-level CI. After that time, Class I ECPs will be needed to facilitate Government CDCA decisions about changes to those documents.
- d. If the Government will control some/all of the CI design documentation, the Government CDCA for the CI detail specification (product baseline), including the related technical data package, will normally start near the beginning of the

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production, fielding/deployment and operational support phase with the completion of the PCA for each CI. After that time, Class I and Class II ECPs will be needed to facilitate Government CDCA decisions about changes to those documents.

While the documentation subject to Government control changes over the life cycle, the SOW taskings and the CDRL requirements are always basically the same. ECPs are typically obtained via DID DI-CMAN-81588 in the CDRL. The following sample SOW tasks and CDRL remarks can be used as a basis for writing, or reviewing, entries in a proposal for work in all phases:

SOW: “The contractor shall completely define, describe, and justify all proposed changes to specifications and other baseline documentation under Government CDCA control. *[If Government can only accept or reject contractor-CDCA changes, this sentence should read: Contractor shall not deliver any units incorporating the change to the Government until notified of Government acceptance of the change.]*”

CDRL Block 16 entries (ACCESS): “As required, or as directed by the Government contracting officer, copies of Engineering Change Proposals and related Notices of Revision, as applicable and associated metadata shall be accessible not later than *[cite time period, for example. 24 hours]* after release/approval by the contractor’s CCB. ECPs and NORs shall be compatible with conversion to *[specify applicable electronic format, for example. Adobe Acrobat]* format. Access to all current and archived ECPs, NORs and associated metadata shall be provided starting with the delivery of the first ECP and for a period not less than *[specify period, for example. ten years]* after delivery of the last production unit. ECPs, NORs and associated metadata shall be compatible with the interface format requirements of the Engineering-Change-Proposal and NOR DIPs of AMC-STD-2549.”

CDRL Block 16 entries (DELIVERY): “As required, or as directed by the Government contracting officer, Engineering Change Proposals and related Notices of Revision, as applicable, and associated metadata shall be delivered not later than *[cite time period, for example. 7 days]* after release/approval by the contractor’s CCB. ECPs and NORs shall be delivered in *[specify applicable electronic format, for example. Adobe Acrobat]* format. ECPs, NORs and associated metadata shall be delivered in accordance with the interface format requirements of the Engineering-Change-Proposal and Notice-Of-Revision DIPs of AMC-STD-2549.”

A.4.3.4.2 Selection and tailoring associated with requests for deviation [Request-For-Deviation DIP].

Requests for deviation are used to document variations between a deliverable unit(s) of the product and the contractual requirements in the Government-controlled baseline document(s). They are used by a performing activity to request that a tasking activity allow a limited effectively (affecting one or a few units) change to deliverable hardware or software. (see EIA 649 for additional guidance). The intent is that the discrepancy documented in the RFD will be corrected in the contractor’s manufacturing process as soon as possible so that only a minimum number of units include the discrepancy. (Engineering change proposals (ECPs) are approved to include a new, preferred configuration into ALL future units. RFDs provide a vehicle for dissemination of the impact information and for obtaining comments/coordination about the proposed RFD from all interested parties. (If the change has a “priority” of critical, the impacts must be assessed very carefully; usually, there would be impact on the operation or maintenance of the unit which should result in automatic disapproval of the RFD.) RFDs should always be accompanied by an offer of consideration for Government acceptance of the RFD. RFDs may be used during all phases to propose, justify, and coordinate a discrepancy, but they are most applicable to the Production, fielding/deployment, and operation and support phase. (Deviations may be used during EMD to accept early test articles that do not conform completely to the applicable performance specification requirements.) The timing for the transfer of CDCA responsibility to the Government is key to the Government’s requirement for RFDs. While the documentation subject to Government control changes over the life cycle, the SOW taskings and the CDRL requirements are always basically the same. RFDs are typically obtained via DID DI-CMAN-81588 in the CDRL. The following sample SOW tasks and CDRL remarks can be used as a basis for writing, or reviewing, entries in a proposal for work in all phases:

SOW: “The contractor shall completely define, describe, and justify all departures from specifications and other baseline documentation under Government CDCA control. Contractor shall not deliver a unit incorporating the discrepancy until notified of Government CDCA approval. *[If Government can only accept or reject contractor-CDCA RFDs, this sentence should read: Contractor shall not deliver any units incorporating the discrepancy to the Government until notified of Government acceptance of the discrepancy.]* The contractor shall propose suitable consideration for Government acceptance of the RFD.”

CDRL Block 16 entries (ACCESS): “As required, or as directed by the Government contracting officer, copies of Requests for Deviation and associated metadata shall be accessible not later than *[cite time period, for example. 24 hours]* after release/approval by the contractor’s CCB. Accessible copies of RFDs shall be compatible with conversion to *[specify applicable electronic format, for example. Adobe Acrobat]* format. Access to all current and archived RFDs and associated metadata shall be provided starting with the delivery of the first RFD and for a period not less than *[specify period, for*

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example. ten years] after delivery of the last production unit. RFDs and associated metadata shall be compatible with the interface format requirements of the Request-For-Deviation DIP of AMC-STD-2549.”

CDRL Block 16 entries (DELIVERY): “As required, or as directed by the Government contracting officer, Requests for Deviation and associated metadata shall be delivered not later than [*cite time period, for example. 7 days*] after release/approval by the contractor’s CCB. RFDs shall be delivered in [*specify applicable electronic format, for example. Adobe Acrobat*] format. RFDs and associated metadata shall be compatible with the interface format requirements of the Request-For-Deviation DIP of AMC-STD-2549.”

A.5. OTHER DATA ACQUISITION CONSIDERATIONS.

A.5.1 Continuous Acquisition and Life-Cycle Support (CALS) implementation.

The following paragraphs provide guidance on acquiring data products in digital form:

A.5.1.1 Department of Defense policy.

DoD Regulation 5000.2-R states that technical data will be prepared, delivered and used in digital form unless it is not cost-effective for the Government. In addition, maximum use should be made of available contractor automated data bases.

A.5.1.2 Implementation.

Defense Acquisition Deskbook, Continuous Acquisition and Life-Cycle Support (CALS) Program Implementation Guide, provides information and guidance to personnel responsible for the acquisition and use of weapon system technical data. Its purpose is to assist in the transition from paper-intensive processes to digital data delivery and access. In addition to MIL-HDBK-59, Government personnel acquiring data should consult Service or Agency and Command regulations, directives and instructions for additional information on specifying the delivery of data in digital form.

A.5.2 Data requirements versus work tasks.

Contractual data requirements cannot be used to impose design requirements on the item being procured, or to impose engineering work tasks on the contractor. Such tasks are identified in the Statement of Work of the contract or purchase order, or in a design requirements specification.

A.5.3 Previous submission.

Government activities acquiring this information should tailor the delivery and submission requirements for the information to avoid unnecessary charges to the Government resulting from duplicate delivery of data products.

A.6. NOTES.

This section is not applicable to this standard.

APPENDIX C

CONFIGURATION STATUS ACCOUNTING (CSA) DATA ELEMENT DEFINITIONS

C.1.0. GENERAL

C.1.1 Scope. This appendix establishes the Configuration Status Accounting (CSA) standard data elements which constitute the minimum data elements required to address the entire configuration and data management business areas for a product data management Automated Information System (AIS). This appendix prescribes the format of data elements required by Appendix B (planned for future publication). This appendix defines data elements used by the data model and not the Appendix D DIPs. This Appendix intentionally accommodates United States (US) Department of Defense (DoD) configuration and data management business practices where such practices are unique; e.g., DoD assigned nomenclature and serial numbers, use of the Contract Data Requirements List (CDRL), DD Form 1423. This data element dictionary supports the Data Information Packets (DIPs) in Appendix D. It also supports both additional DIPs and the conceptual data model (Appendix B) planned for future publication. This appendix fulfills the requirement in Military Standard (MIL-STD)-974 for a Continuous Acquisition and Life-cycle Support (CALS) data dictionary. This appendix is a mandatory part of the standard. The information contained herein is intended for compliance.

C.2. APPLICABLE DOCUMENTS

C.2.1. There are no sub-tier documents required for implementation of this appendix. The source documents for the various requirements in this appendix (including those cited for legacy data) are included for information only.

C.3. DEFINITIONS

C.3.1. Acronyms used in this Appendix. The acronyms in Section 3 of this standard apply to this appendix. In addition, the following acronyms are used in the text of this appendix:

| | |
|-----|--|
| B | Bit-string |
| C | Character |
| Dec | Decimal places |
| F | Full justification |
| FL | Floating point decimal number |
| FX | Fixed point decimal number |
| I | Integer |
| Jst | Justification |
| L | Left justified |
| L | Logical type (element with only the domain values of Y [yes], N [no], and blank [unknown] or their mathematical equivalents) |
| R | Right justified |
| S | String (consisting of the concatenation of two or more other data elements) |
| YN | Boolean (a data element with only the domain values of Y [yes] and N [no] or their mathematical equivalents) |

C.3.2. Definitions used in this Appendix. The definitions in Section 3 of this standard apply to this appendix. In addition, the following definitions apply to this appendix.

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C.3.2.1. Data element domain value. One or more alphabetical, numerical, special characters, or any combination thereof, that represent a data item and that are to be entered in a field on a data record. A code is used instead of the data item itself, to conserve space on the data records and to facilitate machine processing. For example, under the data element "Baseline Impact Code", the corresponding Data Items "Functional Baseline", "Allocated Baseline" and "Product Baseline" are represented by the data codes "F", "A" and "P", respectively.

C.3.2.2. Field format. A specification for the size, type positional justification, and decimal placement of a data element field, or sub-field thereof as described below:

(1) Type. A specification of the character type, wherein:

"B" specifies that the input is a bit-map

"C" specifies that the input is any combination of American Standard Code for Information Interchange (ASCII) characters (unless otherwise noted in the Data Element Definition (DED))

"D" specifies that the input is a valid date

"FL" specifies that the input is a floating-point real number (for example: 3.25E-5, -4.2625E+8, 5.3x1012, etc.)

"FX" specifies that the input is a fixed-point number, or integer (for example: 1.3, -2.59, 0.003, etc.)

"I" specifies that the input is an integer number (for example: 1, 2, 3, -5, etc.)

"L" specifies that the input is a logical element with only the domain values of Y [yes], N [no], and blank [unknown] or their mathematical equivalents)

"S" specifies that the input is a string of separately defined fields which have been concatenated in the order indicated.

(2) Justification (Jst). Specifies from which side of the field the characters of the data element are entered. Those starting at the left are left justified (L), those starting at the right are right justified (R). Those which always occupy the entire field are fixed (F).

(3) Decimal placement (Dec). Specifies the number of character positions to the right of the assumed decimal point when the data element is a floating-point or fixed-point number.

(4) Size. The number of character positions in the data element. In the event the length is variable, the maximum length is specified.

C.3.2.3. Generic element name. A generic element is the part of a data element that establishes a structure (maximum size/length, data type, etc.) and limits the allowable set of values of a data element. A generic element has no functional or application context other than to define a general class of data and ensure consistency in structure and domain. The domain (permissible set of values) of a generic element may be specific or general. Within this document, generic data element names include a brace-pair ({}) to indicate the omitted prime word.

C.3.2.4. Role name. See Appendix B. (Planned for future publication.)

C.3.2.5. Standard element name. Any data element which does not include braces ({}) in the element name is a standard data element. In some cases, a standard data element also serves as the basis for establishing the structure (maximum size/length, data type, etc.) and limits the allowable set of values of a data element for a collection of standard data elements with unique roles names. Basic Standard Data Elements have a function or context of their own, and also serve to define a general class of data and ensure consistency in structure and domain. The domain

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(permissible set of values) of a basic standard data element may be specific or general. Each role-named standard data element includes additional modifier(s) in its title and may be smaller in size or have a domain of values which is a subset of the domain of the basic standard data element with which it is associated. The size and/or domain of a role-named standard data element are shown with the role-named standard data element definition only when they are different from the values shown for the basic standard data element.

C.4. GENERAL REQUIREMENTS

C.4.1. Standard CSA data elements. Required status accounting information is expressed in terms of the standard CSA data elements listed in the detailed requirements of this appendix. Substitutes, alternatives, or variations should not be used except as aliases for a data elements contained herein.

C.4.2. Supplemental CSA data elements. Additional CSA data elements and related features may be added as required and approved by the Tasking Activity, and agreed to by the activities sharing the data.

C.5. DETAILED REQUIREMENTS

| DED | DED TITLE/ROLE TITLE Definition and Legal Values (if any) | Type | Jst | Dec | Size |
|------|--|------|-----|-----|------|
| 0001 | enterprise-defense-logistics--assigned-identification-code The standard code which represents and/or denotes a commercial or Government entity or enterprise that manufactures and/or controls the design of items supplied to a Government Agency. United States and Canadian entities are designated by a commercial and government entity (CAGE) code while North Atlantic Treaty Organizations (NATO) are designated by an NATO Supply Code for Manufacturing (NSCM). Codes are listed in the Defense Logistics Agency (DLA) Cataloging Handbook H4/H8. This code has formerly been known as the Code Identification (Code Ident) and the Federal Supply Code for Manufacturers (FSCM). Must be digits or uppercase letters excluding the letters I and O. (Source of requirements: DLA Cataloging Handbook H4/H8.) (This is equivalent to Military Performance Specification (MIL-PRF)-49506 DED 0140.) | C | F | | 5 |
| | enterprise-defense-logistics-assigned-identification-code The standard code which represents and/or denotes a commercial or Government entity or enterprise that manufactures and/or controls the design of items supplied to a Government Agency. United States and Canadian entities are designated by a commercial and government entity (CAGE) code while North Atlantic Treaty Organizations (NATO) are designated by an NATO Supply Code for Manufacturing (NSCM). Codes are listed in the Defense Logistics Agency (DLA) Cataloging Handbook H4/H8. This code has formerly been known as the Code Identification (Code Ident) and the Federal Supply Code for Manufacturers (FSCM). Must be digits or uppercase letters excluding the letters I and O. (Source of requirements: DLA Cataloging Handbook H4/H8.) (This is equivalent to Military Performance Specification (MIL-PRF)-49506 DED 0140.) | C | F | | 5 |
| 0002 | enterprise-acronym-identification-code The identifying abbreviation or acronym code which represents and/or denotes an administrative structure with a mission. This is the standard abbreviation, or other acronym, which represents and/or denotes an organization or enterprise. Frequently, this is associated with an organization that does not have a CAGE Code. A partial list of values is included below; additional values may be used with prior approval of the office responsible for this document. Field size for particular role names is dependent upon the acronyms associated with the role name. This is one type of enterprise identifier. | C | L | | 10 |

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| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|-----|---|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|---|
| DCAA | (United States) Defense Contract Audit Agency |
| DFAS | (United States) Defense Finance and Accounting Service |
| DIA | (United States) Defense Intelligence Agency |
| DIS | (United States) Defense Investigative Service |
| DISA | (United States) Defense Information Systems Agency |
| DLA | (United States) Defense Logistics Agency |
| DLSA | (United States) Defense Legal Services Agency |
| DMA | (United States) Defense Mapping Agency |
| DNA | (United States) Defense Nuclear Agency |
| DOC | (United States) Department of Commerce |
| DOD | (United States) Department of Defense |
| DOE | (United States) Department of Energy |
| DOT | (United States) Department of Transportation |
| DRPA | (United States) Defense Research Projects Agency |
| DSAA | (United States) Defense Security Assistance Agency |
| FAA | Federal Aviation Agency |
| GSA | U.S. General Services Administration |
| IRS | U.S. Internal Revenue Service |
| NASA | National Aeronautics & Space Administration |
| NATO | North Atlantic Treaty Organization |
| NAVAIR | (United States) Naval Air Systems Command |
| NAVSEA | (United States) Naval Sea Systems Command |
| NSA | (United States) National Security Agency/Central Security Service |
| OSD | (United States) Office of the Secretary of Defense |
| OSHA | (United States) Occupational Safety and Health Agency |
| SDIO | (United States) Strategic Defense Initiative Organization |
| USA | (United States) Department of the Army |
| USAF | (United States) Department of the Air Force |
| USCG | United States Coast Guard |
| USMC | United States Marine Corps |
| USN | (United States) Department of the Navy |

engineering-change-proposal-cost--affected-enterprise-acronym-identification-code

The identifying abbreviation or acronym code which represents and/or denotes a U.S. defense department service branch affected by the Engineering Change Proposal (ECP).

The valid domain values for this element are as follows: USA, USAF, USMC, USN.

engineering-change-proposal-cost-affected-enterprise-acronym-identification-code

The identifying abbreviation or acronym code which represents and/or denotes a U.S. defense department service branch affected by the Engineering Change Proposal (ECP).

The valid domain values for this element are as follows: DLA, USA, USAF, USMC, USN.

enterprise-standard-body-acronym-identification-code

The identifying abbreviation or acronym code which denotes an ANSI accredited or ISO recognized standardizing body. A partial list of values is included below; additional values may be used to accommodate unique requirements. A list of standardization activity acronyms can be found at the National Resource for

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| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|-----|---|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |

Global Standards at <http://www.nssn.org/acrodesc.html>.

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|--|
| AA | Aluminum Association |
| ABMA | American Brush Manufacturers Association |
| ACI | American Concrete Institute |
| AGA | American Gas Association |
| AGMA | American Gear Manufacturers Association |
| AIAA | American Institute of Aeronautics and Astronautics |
| AIIM | Association for Information & Image Management |
| AISC | American Institute of Steel Construction |
| AISI | American Iron and Steel Institute |
| ANS | American Nuclear Society |
| ANSI | American National Standards Institute |
| API | American Petroleum Institute |
| ARI | Air-conditioning and Refrigeration Institute |
| ASA | Acoustical Society of America |
| ASAE | The American Society of Agricultural Engineers |
| ASCE | American Society of Civil Engineers |
| ASHRAE | American Society of Heating, Refrigerating & Air-Conditioning Engineers |
| ASME | American Society of Mechanical Engineers |
| ASNT | American Society for Nondestructive Testing |
| ASSE | (Organization) American Society of Sanitary Engineering |
| ASSE | American Society of Safety Engineers |
| ASTM | American Society for Testing and Materials |
| AWS | American Welding Society |
| AWWA | American Water Works Association |
| BIPM | Bureau international des poids et mesures |
| BISFA | International Bureau for the Standardization of Man-made Fibres |
| CAC | Codex Alimentarius Commission |
| CCSDS | Consultative Committee for Space Data Systems |
| CGA | Compressed Gas Association |
| CIB | International Council for Research and Innovation in Building and Construction |
| CIE | International Commission on Illumination |
| CIMAC | International Council on Combustion engines |
| CTI | Cooling Tower Institute |
| EIA | Electronics Industries Alliance |
| FDI | World Dental Federation |
| FID | International Federation for Information and Documentation |
| IAEA | International Atomic Energy Agency |
| IATA | International Air Transport Association |
| ICAO | International Civil Aviation Organization |
| ICC | International Association for Cereal Science and Technology |
| ICID | International Commission on Irrigation and Drainage |
| ICRP | International Commission on Radiological Protection |
| ICRU | International Commission on Radiation Units and Measurements |
| IDF | International Dairy Federation |
| IEC | International Electrotechnical Commission |
| IEEE | Institute of Electrical and Electronics Engineers |
| IETF | Internet Engineering Task Force |

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| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|-----------|--|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| IESNA | Illuminating Engineering Society of North America | | | | |
| IFLA | International Federation of Library Associations and Institutions | | | | |
| IGU | International Gas Union | | | | |
| IIR | International Institute of Refrigeration | | | | |
| ILO | International Labour Office | | | | |
| IMO | International Maritime Organization | | | | |
| IPC | Association Connecting Electronics Industries | | | | |
| ISA | International Society for Measurement & Control | | | | |
| ISO | International Organization for Standardization | | | | |
| ISTA | International Seed Testing Association | | | | |
| ITU | International Telecommunication Union | | | | |
| IUPAC | International Union of Pure and Applied Chemistry | | | | |
| IWTO | International Wool Textile Organization | | | | |
| NACE | National Association of Corrosion Engineers | | | | |
| NEMA | National Electrical Manufacturers Association | | | | |
| NFPA | National Fire Protection Association | | | | |
| NISO | National Information Standards Organization | | | | |
| NIST/IT | National Institute of Standards and Technology/Information Technology | | | | |
| OIE | International Office of Epizootics | | | | |
| OIML | International Organization of Legal Metrology | | | | |
| OIV | International Vine and Wine Office | | | | |
| RILEM | International Union of Testing and Research Laboratories for Materials and Structures | | | | |
| SAE | Society of Automotive Engineers | | | | |
| SMACNA | Sheet Metal and Air Conditioning Contractors' National Association | | | | |
| SMPTE | Society of Motion Picture & Television Engineers | | | | |
| TraFIX | Trade Facilitation Information Exchange | | | | |
| UL | Underwriters Laboratories | | | | |
| UIC | International Union of Railways | | | | |
| UN/CEFACT | Centre for the Facilitation of Procedures and Practices for Administration, Commerce and Transport | | | | |
| UNESCO | United Nations Educational, Scientific and Cultural Organization | | | | |
| WCO | World Customs Organization | | | | |
| WHO | World Health Organization | | | | |
| WIPO | World Intellectual Property Organization | | | | |
| WMO | World Meteorological Organization | | | | |

united-states-defense-component-enterprise-acronym-identification-code

A code which denotes or represents the branch of the U.S. military. (This is equivalent to MIL-PRF-49506 DED 1180.)

The valid domain values for this element are as follows: DLA, USA, USAF, USMC, USN.

- 0003 **shipping-document-alphanumeric-identifier** S 40
 The document identifier which, in conjunction with the contract number, represents the unique identification number of, and primary reference to, the DD Form 250 (within the domain of all documents identified by a particular source) and consequently, each delivery under a contract. Must be uppercase letters (except I and O) and numbers only.
- 0004 **document-category-code** C L 8
 The standard code which represents and/or denotes a category or class of formal papers or records of similar characteristics known as a document.

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| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|--|---|--|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| The valid domain values for this element are as follows: | | | | | |
| | <u>Domain Value</u> | <u>Meaning</u> | | | |
| | DOCSUP | Document supplement is any separately issued supplemental pages and/or corrections to a document that can be used only in conjunction with the supplemented document. (This includes technical manual changes and supplements, U.S. DOD Defense specification and standard amendments, changes, notices, and supplements) * NOT FOR DRAWINGS only appropriate for SPEC/STD/TECHMAN | | | |
| | DWG | Engineering drawing as defined in ASME Y14.24M or comparable non-U.S. documents | | | |
| | ECP | An Engineering Change Proposal is a document that is used to propose changes to current approved documentation, ANSI/EIA 649, ANSI/IEEE STD 6610.12, NATO STANAG 4159, or comparable commercial or non-U.S. documents | | | |
| | GENDOC | General document, not otherwise classified herein. Examples of types of documents related to configuration management and falling into this document category include: cost estimates, milestone schedules, project planning reports, annotated configuration documentation (marked up drawings or specifications, or lists of proposed changes to same), test reports, modeling analyses and reports, reports of simulation results, technical analysis of alternatives, and other supporting documents | | | |
| | LIST | Lists associated with an engineering documentation package as defined in MIL-STD-100 or ASME Y14.34M or comparable non-U.S. documents | | | |
| | MWO | Modification instructions direct that specific changes be made to specific assets that are already in service. (These include such things as Modification Work Orders, Time Compliance Technical Orders, Technical Directives, Rapid Action Change Orders, Ship Alteration Instructions) | | | |
| | NOR | A Notice of Revision is a document that defines revisions to configuration documentation. May also be known as a Drawing Change Notice, Advance Drawing Change Notice, Alteration Notice, Change In Design, Engineering Change Notice, Engineering Change Order, Engineering Notice or Engineering Order. ANSI/EIA 649, ANSI/IEEE STD 6610.12, NATO STANAG 4159, or comparable commercial or non-U.S. documents | | | |
| | PARTMOD | Part models including all types of digital representations such as finite element, constructive solid geometry, wire mesh, boundary representation of surfaces and boundary representation of solids | | | |
| | RFD | A request to depart from a particular requirement(s) of an item's current approved configuration documentation for a specific number of units or a specified period of time, and to accept an item which is found to depart from specified requirements, but nevertheless is considered suitable for use 'as is' or after repair by an approved method. ANSI/EIA 649, ANSI/IEEE STD 6610.12, NATO STANAG 4159, or comparable commercial or non-U.S. documents | | | |
| | SPEC | Specifications for products, software, processes, or material (as defined in, MIL-STD-961D, EIA/IEEE 12207 or comparable commercial or non-U.S. documents). For contrast, see STDDOC | | | |
| | STDDOC | Standards issued for the purpose of standardizing, regulating, or codifying practices, procedures, processes, material, etc. within a segment of a company, industry, or government. For example: Military Standards, Federal Standards, ISO Application Protocols, EIA Bulletins, AECMA Documents, SAE Standard Practices, NATO Standard NATO Agreements (STANAGs). For contrast, see SPEC | | | |
| | SWDOC | Software documentation including all types of support documentation specified in EIA/IEEE 12207, or company equivalent; excludes software documents that are included in other categories (such as software specifications in SPEC) | | | |
| | TECHMAN | Army, Navy, Air Force, or Marine Corps technical manuals (or Air Force Technical Orders) as defined in MIL-M-38784, NAVAIR 00-25-700, or comparable commercial or non-U.S. documents | | | |

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| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|-----|---|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |

affected-document-category-code

A subset of document category codes which represents and/or denotes the type of document affected by a NOR.

The valid domain values for this element are as follows: DWG, P-SPEC, PL, STDDOC.

0005 **contract-data-requirement-list-document-item-sequence-identifier** C L 6

A unique sequential identifier within a contract exhibit that identifies a single Data Item requirement. This element can include exhibit sub-line item identification letters. It consists of an exhibit identifier followed by sequentially assigned alphanumeric characters. (If an exhibit sub-line item identification is used it will immediately follow the sequential numbers as a two character suffix.) Must be uppercase letters (except I or O) or numbers; the first 1 or 2 characters must be a valid exhibit identifier. The exhibit sub-line item identification letters can be blank; however, if nonblank, they must be uppercase letters (except I or O). (Source of requirements: Defense Department Supplement to the Federal Acquisition Regulation (DFAR) 204.7105 (c), DoDM 5010.12-M.)

contract-data-requirement-list-document-resubmittal-item-sequence-identifier

The unique sequential identifier that indicates a resubmission of a delivered data item submittal.

0006 **document-alias-indicator-code** C F 1

A code which denotes whether the document has aliases (that is, it is one of a family of similar documents with different identifiers), and if so, whether the document identifier is the unique primary document identifier, or an alias for that unique identifier assigned to facilitate access to the document.

There is only one lead organization (responsible for the document content information) for any document which has alias identification number(s) assigned to it. One of the purposes of this table is to correlate the various alias identifier(s) with the identifier associated with the lead organization. "(1) Technical manual aliases. Often, a technical manual will be used by more than one organization because the equipment is used by more than one service. However, each organization has its own system of technical manual (or order) identification. These systems use intelligent numbering systems to facilitate information retrieval and document distribution. (Note: sometimes a document which is a technical manual (or order) in one organization is published as a standardization document in another organization.) In each of these cases, there is one organization which is responsible for the information in the technical manual and maintaining it. (Note: according to MIL-STD-38784 for U.S. DoD technical manuals, the lead activity identifier is always listed first on each page of the document with the alias[es] listed in alphabetical order by using service component.) (2) Other document aliases. Aliases can also be associated with other document categories to facilitate access. For example, an ASME document could have a primary identifier of American Society of Mechanical Engineers (ASME)/ANSI XXXX, with aliases ASME XXXX, ANSI XXXX, and ANSI/ASME XXXX. In such a case, the document source entity identifier for each alias would be the same as that for the primary identifier. The aliases are assigned to facilitate access through database query.

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|---|
| N | Document has no alias |
| P | Document has an alias and the identifier is the 'Primary' |
| A | Document has an alias and the identifier is the 'Alias' |

0007 **contract-document-exhibit-identifier** C L 2

The unique document identifier that represents an exhibit to a particular contract. Must be uppercase letters excluding the letters I and O. (Source of requirements: DFAR 204.7105(b).)

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| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|-----|---|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |

contract-document-resubmittal-exhibit-identifier

The unique document-identifier that represents the exhibit to a particular contract to which a data item is resubmitted.

0008 **document-name** C L 240

The name (or title) of a document. (Source of requirements: Department of Defense Data Repository System (DDRS) element 7,125, MIL-STD-961.)

contract-data-requirement-list-document-item-name

The title of a specific CDRL line item.

contract-data-requirement-list-document-item-subsidiary-name

The subtitle of a specific CDRL line item.

contract-data-submittal-document-name

The text of the title or of a brief description of a particular submittal, for example, June Progress Report, Preliminary Test Report. This is usually the same as, or very similar to, the CDRL Subtitle in Block 3, DD Form 1423/1423-1/2.

0009 **document-alphanumeric-revision-identifier** C R 3

The identifier which represents the specific revision, in a series of revisions, to a document or a portion of the document (that is, sheet) to indicate that the document has been modified or changed. The designator will normally be sequentially assigned. The initial issue (release) is a dash (-) indicating no revision (new document). The default field size is three characters; however, in some instances only two characters apply. Must be uppercase letters, numbers or dash. The letter O shall not be used. (Source of requirements: ASME Y14-35M, MIL-STD-100, MIL-STD-961, MIL-STD-962.) (This is equivalent to MIL-PRF-49506 DED 1120.)

0010 **document-security-classification-code** C L 4

The standard security classification code which represents and/or denotes a level of classification of the contents of media (for example, documents, files, equipment) in any of its forms. (Source of requirements: DOD 5220.22-M, DOD 5200.1-R.)

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|--------------------------|
| C | Confidential |
| FOUO | For Official Use Only |
| NC | NATO Confidential |
| NCA | NATO Confidential Atomal |
| NR | NATO Restricted |
| NS | NATO Secret |
| NSA | NATO Secret Atomal |
| NTS | NATO Top Secret |
| NTSA | NATO Top Secret Atomal |
| S | Secret |
| TS | Top Secret |
| U | Unclassified |

document-current-security-classification-code

The standard security classification code which represents and/or denotes the current level of classification of the contents of data (for example, documents, files, etc.) in any of its forms.

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DED DED TITLE/ROLE TITLE
Definition and Legal Values (if any)
Type Jst Dec Size

document-downgrade-security-classification-code

The standard security classification code which represents and/or denotes the classification level, lower than the current classification level, to which the classified material is to be reclassified upon occurrence of a specified event or date.

0011 document-security-classification-name
C L 25

A name, term or phrase which defines the security classification of the contents of a document. (Source of requirements: DOD 5200.1-R, DOD 5220.22-M.)

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|--------------------------|---|
| CONFIDENTIAL | The designation indicating that unauthorized disclosure of information or material could be reasonably expected to cause damage to the national security |
| FOR-OFFICIAL-USE-ONLY | The designation of unclassified material, the dissemination of which, should be limited to a 'need to know' basis |
| NATO-CONFIDENTIAL | The designation indicating that unauthorized disclosure of information or material could be reasonably expected to cause damage to NATO security |
| NATO-CONFIDENTIAL-ATOMAL | The designation indicating that unauthorized disclosure of information or material concerning the NATO atomic program could be reasonably expected to cause damage to NATO security |
| NATO-RESTRICTED | The designation indicating that disclosure of the information or material should be limited to a 'need to know' basis, but is otherwise unclassified |
| NATO-SECRET | The designation indicating that the unauthorized disclosure of information or material could reasonably be expected to cause serious damage to NATO security |
| NATO-SECRET-ATOMAL | The designation indicating that the unauthorized disclosure of information or material concerning the NATO atomic program could reasonably be expected to cause serious damage to the NATO security |
| NATO-TOP-SECRET | The designation indicating that the unauthorized disclosure of information or material could reasonably be expected to cause grave damage to NATO security |
| NATO-TOP-SECRET-ATOMAL | The designation indicating that the unauthorized disclosure of information or material concerning the NATO atomic program could reasonably be expected to cause grave damage to NATO security |
| SECRET | The designation indicating that the unauthorized disclosure of information or material could reasonably be expected to cause serious damage to the national security |
| TOP-SECRET | The designation indicating that the unauthorized disclosure of information or material could reasonably be expected to cause grave damage to the national security |
| UNCLASSIFIED | The designation indicating that the disclosure of information or material will not impact security |

0012 document-copyright-code
C F 1

A code that denotes the restrictions on the use of a document under copyright law. (Source of requirements: DFAR 52.277-7013.)

The valid domain values for this element are as follows:

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| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|-----|---|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|--|
| C | Copyrighted |
| G | Copyrighted with United States government use authorized |
| N | Not copyrighted |

0013 **document-copyright-text** C L 160

The narrative text that describes the contractor's copyright statement and use restrictions related to the document or data as required by DFAR 52.227.

0014 **document-distribution-statement-code** C F 1

The standard distribution statement code which represents and/or denotes the type of the first part of the distribution statement that is affixed to the document or viewable file to indicate the authorized circulation or dissemination of the information contained within the item. (Source of requirements: DODD 5230.24, DODD 5230.25, DODD 5230.9, Public Law 98-94 Sect 1217.)

The valid domain values as well as the document-distribution-statement-reason-codes that can be paired with these document-distribution-statement-codes for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> | <u>Associated document-distribution-statement-reason-codes</u> |
|---------------------|---|--|
| A | Statement A, unlimited | 00 |
| B | Statement B, limited to U.S. Government | 02, 03, 04, 05, 06, 07, 08, 09, 10 |
| C | Statement C, limited to U.S. Government and Contractors | 03, 04, 08, 09, 10 |
| D | Statement D, limited to DoD and Contractors | 03, 04, 08, 09, 10 |
| E | Statement E, limited to DOD | 01, 02, 03, 04, 05, 06, 07, 08, 09, 10 |
| F | Statement F, Request Approval of Controlling Office | 01, 11 |
| X | Statement X, Export control certified | 00 |

0015 **document-distribution-statement-reason-code**

The standard distribution statement reason code which represents and/or denotes the type of the second part of the distribution statement that is affixed to the document or viewable file to indicate the authorized circulation or dissemination of the information contained within the item. (Source of requirements: DoDD 5230.24, DoDD 5230.25, DoDD 5230.9, Public Law 98-94 Sect 1217.)

The valid domain values as well as the document-distribution-statement-codes that can be paired with these document-distribution-statement-reason-codes are as follows:

| <u>Domain Value</u> | <u>Meaning</u> | <u>document-distribution-statement-codes that can be used with these values</u> |
|---------------------|--|---|
| 00 | | A, X |
| 01 | due to Direct Military Support | E, F |
| 02 | to prevent Premature Dissemination | B, E |
| 03 | due to Critical Technology | B, C, D, E |
| 04 | due to Foreign Government Information | B, C, D, E |
| 05 | due to Proprietary Information | B, E |
| 06 | due to Test and Evaluation | B, E |
| 07 | due to Contractor Performance Evaluation | B, E |
| 08 | due to Software Documentation | B, C, D, E |

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|------|--|------|-----|-----|------------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| 09 | due to specific authority | | | | B, C, D, E |
| 10 | due to Administrative or Operational Use | | | | B, C, D, E |
| 0016 | document-long-distribution-statement-text | C | L | | 300 |
| | The actual text of the full (long) document distribution statement. | | | | |
| | document-short-distribution-statement-text | C | L | | 37 |
| | The actual text of the abbreviated Distribution Statement form. | | | | |
| 0017 | contract-document-line-item-identifier | C | L | | 6 |
| | The unique identifier within a contract which identifies the supply being purchased. This element may include a Contract Sub-line item identification letter. Section B of the contract indicates usage. (Source of requirements: DFAR 204.7103-2, DFAR 204.7104-2.) | | | | |
| 0018 | process-event-code | C | L | | 5 |
| | A user defined code to identify a unique contractual event, for example, PDR for Preliminary Design Review, FFT for First Flight Test. A partial list of values included below are standard for the events shown; however, users may use additional codes of their own choosing for other contract events. (Reference: MIL-HDBK-61.) | | | | |

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|--|
| ASR | Alternative Systems Review |
| ATXX | Acceptance test, where XX is a test number |
| CAD | Contract Award Date |
| CDR | Critical Design Review |
| CMD | Contract Modification Date |
| DOO | Delivery of Order |
| EOC | End of Contract (performance) |
| EOD | End of Calendar Day |
| EOM | End of Calendar Month |
| EOQ | End of Calendar Quarter |
| EOW | End of Calendar Week |
| EOY | End of Calendar Year |
| FCA | Functional Configuration Audit |
| FFT | First Flight Test |
| FQR | Formal Qualification Review |
| FRR | Flight Readiness Review |
| LATXX | Lot Acceptance Test, where XX is a test number |
| PCA | Physical Configuration Audit |
| PDR | Preliminary Design Review |
| PRR | Production Readiness Review |
| QTX | Qualification Test, where XX is a test number |
| ROC | Receipt of Comments |
| SDR | System Design Review |
| SFR | System Functional Review |
| SRR | System Requirements Review |
| SSR | Software Specification Review |
| SVR | Systems Verification Review |
| TRR | Test Readiness Review |
| VTXX | Verification Test, where XX is a test number |

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|------|--|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| 0019 | product-quantity The quantity of units of a product, material, or item. (This is equivalent to MIL-PRF-49506 DED 0530.) | FX | R | 1 | 6 |
| 0020 | contract-data-submittal-document-identifier The unique identifier of submission of a data item for a single Data Item Number (DIN) or Exhibit Line Item Number (ELIN). Must be characters 01 through 99. (Source of requirements: MIL-STD-1700.) | C | F | | 2 |
| 0021 | process-disposition-status-code A status code that indicates the responsive action taken, or current life cycle status, in a specific instance as indicated by a code. (Source of requirements: DOD-STD-1700.) | C | L | | 6 |

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|---|
| ADOPT | Adopt: To take up or use as one's own |
| APL | Appeal: Petition for redress |
| APV | Approve: Judge favorably; opposite of disapprove |
| AWC | Approve with comments or conditions |
| CANC | Cancel: Rescind |
| COMPL | Complete: Perform totally |
| CONCUR | Concur: Agree with classification indicated; opposite of non-concur |
| DEFER | Defer: Suspend or postpone indefinitely |
| DISAPV | Disapprove: Judge unfavorably; opposite of approve |
| DISTR | Distribute: Provide copies or access |
| INWK | In-work: In development; subject to change without notice |
| NONCON | Non-concur: Disagree with classification indicated; opposite of concur |
| PAID | Paid: Transfer, or authorize the transfer, of funds |
| PEND | Pending: Place on hold temporarily |
| PLACOR | Place Order: Establish agreement between buyer and seller for delivery of an item |
| RECV | Receive. The item has been received at the destination |
| REJ | Reject: Permanently restrain from use; opposite of release |
| REVV | Review: Inspect critically |
| RLSE | Release: Released for unrestricted use by agents of the releasing authority |
| RTN | Return: Pass back |
| SUBMIT | Submit. Provide to the Procuring Activity as required by contract |
| WITHDR | Withdrawal. Withdrawal from submission |

audit-process-action-item-disposition-status-code

The standard status code which represents and/or denotes the status of the action taken on an audit action item.

The valid domain values for this element are as follows: APL, CANC, COMPL, DEFER, INWK, PEND.

contract-data-submittal-document-approval-process-disposition-status-code

The standard status code which represents and/or denotes the status of a particular contractually required data item.

The valid domain values for this element are as follows: APV, DISAPV, INWK, SUBMIT.

contract-data-submittal-document-resubmittal-approval-process-disposition-status-code

The standard status code which represents and/or denotes the status of a particular resubmitted contractually required data item.

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| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|-----|---|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |

The valid domain values for this element are as follows: APV, DISAPV, INWK, SUBMIT.

deviation-implementation-process-action-disposition-status-code

The standard status code which represents and/or denotes the status of the disposition action taken on an RFD implementation action item.

The valid domain values for this element are as follows: CANC, COMPL, DEFER, DISTR, INWK, PLACOR, RECV.

document-approval-process-technical-recommended-disposition-status-code

A code representing the technical recommendation for disposition of the document.

The valid domain values for this element are as follows: APV, AWC, DISAPV.

document-change-process-program-configuration-control-board-chairman-disposition-status-code

The code which represents or denotes the status of the disposition of a request for change by the Configuration Control Board (CCB) chairperson.

The valid domain values for this element are as follows: APL, APV, AWC, DEFER, DISAPV, PEND, RLSE, RTN.

document-representation-release-process-disposition-status-code

The status code representing the state of a document representation in the process of release by the originating entity of the document representation.

The valid domain values for this element are as follows: INWK, REJ, REVW, RLSE.

document-representation-release-process-technical-recommended-disposition-status-code

The code representing and/or denoting the disposition recommended by the technical reviewer.

The valid domain values for this element are as follows: REJ, RLSE, SUBMIT.

document-revision-application-activity-approval-process-disposition-status-code

The status code that represents or denotes the current application activity approval status during the process of document revision submission, review and approval by the application activity.

The valid domain values for this element are as follows: ADOPT, DISAPV, PEND, SUBMIT.

document-revision-approval-process-disposition-status-code

The status code that represents or denotes the current change control authority approval status during the process of document revision submission, review and approval.

The valid domain values for this element are as follows: APV, AWC, CANC, DISAPV, INWK, SUBMIT, WITHDR.

document-revision-approval-process-submission-disposition-status-code

The code which identifies or denotes that a document revision has achieved the status of 'submit' in the document revision approval process.

The valid domain values for this element are as follows: SUBMIT.

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|------|--|-------|-------|-------|-------|
| | <u>Definition and Legal Values (if any)</u> | _____ | _____ | _____ | _____ |
| | engineering-change-implementation-process-action-disposition-status-code | | | | |
| | The standard status code which represents and/or denotes the status of the disposition action taken on an ECP implementation action item. | | | | |
| | The valid domain values for this element are as follows: CANC, COMPL, DEFER, DISTR, INWK, PLACOR. | | | | |
| | engineering-change-proposal-document-class-concurrence-process-disposition-status-code | | | | |
| | A status code that indicates the defense contract management office's concurrence or non-concurrence with the engineering change proposal classification. | | | | |
| | The valid domain values for this element are as follows: CONCUR, NONCON. | | | | |
| | engineering-change-proposal-document-disposition-status-code | | | | |
| | The status code that represents and/or denotes the current status for an ECP, RDF or NOR in the approval process. | | | | |
| | The valid domain values for this element are as follows: APV, AWC, CANC, DISAPV, INWK, REJ, SUBMIT, WITHDR. | | | | |
| | engineering-change-proposal-document-recommendation-disposition -status-code | | | | |
| | A status code that indicates the defense contract management office's recommendation for approval or disapproval with the ECP. | | | | |
| | The valid domain values for this element are as follows: APV, DISAPV. | | | | |
| | engineering-change-proposal-document-revision-approval-process-approved-disposition-status-code | | | | |
| | The status code that represents and/or denotes that the 'approved' status has been achieved for an ECP in the approval process. | | | | |
| | The valid domain values for this element are as follows: APV. | | | | |
| | revision-notice-document-revision-approval-process-approved-disposition-status-code | | | | |
| | The code that represents and/or denotes that a NOR has achieved the 'approved' status in the approval process. | | | | |
| | The valid domain values for this element are as follows: APV. | | | | |
| | revision-notice-document-revision-approval-process-disposition-status-code | | | | |
| | The status code that represents or denotes the current change control authority approval status during the process of NOR document revision submission, review and approval. | | | | |
| | The valid domain values for this element are as follows: APV, AWC, CANC, DISAPV, INWK, SUBMIT, WITHDR. | | | | |
| | shipping-document-process-disposition-status-code | | | | |
| | The status code that indicates the action taken on the DD Form 250. | | | | |
| | The valid domain values for this element are as follows: APV, PAID, RTN, SUBMIT. | | | | |
| 0022 | technical-document-government-data-rights-code | C | L | | 5 |
| | A code that indicates the nature of the government technical rights in data for a document or computer software. | | | | |

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| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|-----|---|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |

(Source of requirements: DFAR 252.227-7013.)

The valid domain values for this element are as follows:

| Domain Value | Meaning |
|--------------|---|
| G | Government Purpose License Rights (GPLR); as defined at DFAR 252.277-7013 (c)(2)(iii); applies to non-software documents |
| G2 | Government Purpose License Rights (GPLR) Alternate Text; as defined at DFAR 252.277-7013 (b)(3)(ii); applies to non-software documentation only |
| L | Limited Rights; as defined at DFAR 252.277-7013 (b)(3)(iii)(C) basic text; applies to non-software documents |
| L1 | Limited Rights, alternate text 1; as defined at DFAR 252.277-7013 (b)(3)(iii)(C); applies to non-software documentation only |
| L2 | Limited Rights, alternate text 2; as defined at DFAR 252.277-7013 Alternate II (b)(2)(i)(B); applies to non-software documentation only |
| N | No rights; rights have not been granted to the government |
| NL | Negotiated License rights, as defined at DFARS Part 227 |
| R | Restricted Rights; as defined at DFAR 252.277-7013 (c)(1)(i) and DFAR 252.277-7013 Alternate II (c)(1)(i); applies to software and software-documentation developed on contract only |
| RC | Restricted Rights for Commercial Software; as defined at DFAR 252.277-7013 (c)(1)(ii) and DFAR 252.277-7013 Alternate II (c)(1)(ii); applies to commercially available software and supporting documentation only |
| SB | Small Business Innovative Research (SBIR) rights, as defined in DFARS Part 227 |
| U | Unlimited/Unrestricted rights; applies to any documentation or software |

0023 **configuration-item-product-indicator-code** YN F 1
 A code which denotes whether or not a particular assembly, sub-assembly or component has been designated by the Government to be managed as a configuration item (CI).

0024 **part-product-identifier** C L 32
 The unique identifier that distinguishes one part [or software application identified by a part number] from another. A part number may be a string consisting of a drawing-identifier followed by an optional drawing-suffix-identifier, a specification-identifier followed by an optional specification-suffix-identifier, or some other number which may or may not have all or part of the controlling design document identification embedded in it. For commercial parts only, the identifier may also include a revision letter. (Source of requirements: ISO 10303-203, MIL-STD-100, MIL-STD-961.)

assembled-part-product-identifier

A part identifier for an assembled part/product.

component-part-product-identifier

A part identifier for a part used as a component part of an assembly.

modified-part-product-identifier

A part identifier of a part which has been modified into a different part number from the originally manufactured part (but with the same product-tracking base-identifier as the originally manufactured part. For example: part XYZ-1 is modified into an XYZ-2.

original-part-product-identifier

The original identifier of a part which has been modified into a different part number or lot.

part-product-administrative-control-identifier

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size | | | | | | | | |
|---------------------|---|---------------------|----------------|-----|---------------------|---|---------------|---|---------------------|--|--|--|--|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — | | | | | | | | |
| | The part identifier assigned as the administrative control number of a source-controlled, vendor-item, or procurement-controlled part or material, or as an identification cross-reference. | | | | | | | | | | | | |
| | part-product-vendor--assigned-identifier | | | | | | | | | | | | |
| | The unique part identifier that was assigned by the original design agency (as opposed to the part-product-administrative-control-identifier assigned to it on a source control, vendor item, purchase control, or cross-reference drawing). | | | | | | | | | | | | |
| | product-identifier | | | | | | | | | | | | |
| | The unique identifier that distinguishes a part, a material or a software application. A product identifier may be a string consisting of a drawing-identifier followed by an optional drawing-suffix-identifier, a string consisting of a specification-identifier followed by an optional specification-suffix-identifier, a product name or some other identifier which may or may not have all or part of the controlling design document identification embedded in it. For commercial parts only, the identifier may also include a revision letter. (Source of requirements: ISO 10303-203, MIL-STD-100, MIL-STD-961.) | | | | | | | | | | | | |
| | replaced-part-product-identifier | | | | | | | | | | | | |
| | A identifier of a part for which a substitute or superseding part or material has been identified. | | | | | | | | | | | | |
| | substitute-part-product-identifier | | | | | | | | | | | | |
| | An identifier of a part which may be substituted for another part or material without specific approval because it is 1) authorized as a substitute or superseding part in a military specification or standard or a non-government standard, or 2) is identified as an interchangeable replacement or superseding part on the engineering drawing for the part being replaced, or 3) the part replaces a part, the use of which must be discontinued due to public law. | | | | | | | | | | | | |
| 0025 | separate-parts-list-document-code | C | F | | 1 | | | | | | | | |
| | A code to indicate that the engineering drawing parts list is integral to the drawing; is separately maintained; or that no parts list exists. | | | | | | | | | | | | |
| | The valid domain values for this element are as follows: | | | | | | | | | | | | |
| | <table><tr><th><u>Domain Value</u></th><th><u>Meaning</u></th></tr><tr><td>I</td><td>Integral parts list</td></tr><tr><td>N</td><td>No parts list</td></tr><tr><td>S</td><td>Separate parts list</td></tr></table> | <u>Domain Value</u> | <u>Meaning</u> | I | Integral parts list | N | No parts list | S | Separate parts list | | | | |
| <u>Domain Value</u> | <u>Meaning</u> | | | | | | | | | | | | |
| I | Integral parts list | | | | | | | | | | | | |
| N | No parts list | | | | | | | | | | | | |
| S | Separate parts list | | | | | | | | | | | | |
| 0026 | document-sheet-identifier | C | R | | 4 | | | | | | | | |
| | The sheet or page number identifier of a multi-sheet or multi-page document. Numeric characters only. (Source of requirements: ASME Y14.1, MIL-STD-100.) | | | | | | | | | | | | |
| 0027 | part-document-item-identifier | I | R | | 6 | | | | | | | | |
| | An identifier shown on an engineering drawing, that is used to identify the location of the part or as a cross reference to the item on a parts list instead of using the item identifier. This number is known as the 'find number'. (Source of requirements: ASME Y14.34M, MIL-STD-100.) | | | | | | | | | | | | |
| | parts-list-document-item-identifier | | | | | | | | | | | | |
| | The identifier, as shown on the engineering drawing, that is used to identify the location of the part. This field is also used for sequence numbers which identify alternate or optional parts to the preferred part. This number is known as the 'find number'. (Source of requirements: ANSI Y14.34M, MIL-STD-100.) | | | | | | | | | | | | |
| 0028 | product-change-effectivity-timing-type-code | C | F | | 1 | | | | | | | | |
| | A code that is used to indicate whether the change effectivity for a part is forward fit or retrofit. | | | | | | | | | | | | |

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| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|-----|---|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|--|
| F | Forward fit; incorporate change into future production units |
| R | Retrofit; incorporate change into delivered units |

0029 **geographic-place-name** C L 25

The name of the geographic location (for example: Hill Air Force Base (AFB), UT; Fort Sill, OK; Yorktown Naval Weapons Station (NWS), VA.) Used to identify the location(s) of fielded assets to be effected by an ECP applicable to an item to be installed on that asset.

0030 **classification-defects-type-code** C 4

A number used for reference purposes for reporting inspection results as specified on applicable drawing or specification. Defect numbers are a method used in determining the Classification of Defect on ECPs and RFDs.

If additional groupings are specified, they will be numbered in the 301,401,501, series. If the number of defects in any group exceeds 100, the series will start over with a letter suffix; such as 101a, 102a, 103a. (Source of requirements: MIL-STD-961.)

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|------------------|
| 1 through 99 | Critical Defects |
| 101 through 199 | Major Defects |
| 201 through 299 | Minor defects |

0031 **asset-identifier** C L 60

The unique identifier assigned to a defined asset, such as an aircraft, ship, vehicle, computer operating system, or other fielded platform.

computer-hardware-asset-nomenclature-identifier

The unique identifier of the computer hardware that was used by the developing activity to develop/create or modify project/system software product, as opposed to the "target" computer on which the software is to be used.

computer-operating-system-software-asset-identifier

The unique identifier that denotes a particular software operating system used by the developing activity to create the project/system software product.

computer-software-compiler-asset-identifier

The unique identifier that denotes a particular software compiler used to generate object code for the software product.

computer-software-link-asset-identifier

The identifier that denotes a specific link editor or linking software, that normally is used in conjunction with a software compiler to obtain the product object code.

platform-asset-identifier

The unique identifier used for platforms other than computer operating systems and components thereof. Used to identify proposed/actual production assets and fielded assets on which a design change proposed by an ECP is to be incorporated.

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|-----|---|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |

ship-asset-identifier

The ship hull number which distinguishes a specific ship from all others of the same class.

vehicle-asset-identifier

The unique vehicle identifier, for example, serial number or tail number which distinguishes a specific vehicle from all others of the same type.

- 0032 **administrative-control-drawing-document-type-code** C L 8
 A code which identifies the specific type of drawing (DWG), prepared in accordance with ASME Y.14 or similar standard for drawings which are 'Control Drawings' that provide interchangeability control information.

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|--|
| DPDWG | Design Parameters Drawing |
| ENVDWG | Envelope drawing |
| IDXDWG | Identification cross-reference drawing |
| MICDWG | Microcircuit Drawing Set |
| OTHERCD | Control Drawings not otherwise defined |
| PRCDWG | Procurement control drawing |
| SRCDWG | Source control drawing |
| VENDIDWG | Vendor item drawing |

- 0033 **product-shelf-life-storage-type** C L 45
 The storage environment for which the projected materiel shelf life period is applicable. For example, container, warehouse, heated warehouse, cold storage.

- 0034 **product-type-code** C L 1
 A code which denotes the type of identifier used to identify a product.

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|--|
| D | Products identified by a document identifier |
| N | Products identified by a name |
| P | Products identified by distinct part-numbers |

- 0035 **product-status-code** C F 1
 A code used to indicate whether a product has been made inactive for new design, or is obsolete or superseded by another product as reflected in or on the source document.

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|-------------------------|
| I | Inactive for new design |
| O | Obsolete |
| S | Superseded |

material-product-status-code

A status code used to indicate whether a material is in active use, or has been inactivated by obsolescence or superseded by another material.

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DED DED TITLE/ROLE TITLE
Definition and Legal Values (if any)

Type Jst Dec Size

part-product-status-code

A status code used to indicate whether a part is in active use, or has been inactivated by obsolescence or superseded by another part.

0036 **material-product-classification-type-code**

C L 4

A material classification code used to differentiate various classification schemes for materials or discrete parts defined by specification of one or more parameters. A partial list of valid codes are provided; others may be added as required. (Also, see material-product-classification-type-name.) (Source of requirements: MIL-STD-961.)

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|----------------|
| CAT | Category |
| CLS | Class |
| COLR | Color |
| COMP | Composition |
| DUTY | Duty |
| FORM | Form |
| GRAD | Grade |
| SIZE | Size |
| STYL | Style |
| TYPE | Type |

part-classification-type-code

C L 4

A classification code used to differentiate various classification schemes for materials or discrete parts defined by specification of one or more parameters. A partial list of valid codes are provided; others may be added as required. (Also, see part-classification-type-value.)

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|----------------|
| CAT | Category |
| CLS | Class |
| COLR | Color |
| COMP | Composition |
| DUTY | Duty |
| FORM | Form |
| GRAD | Grade |
| SIZE | Size |
| STYL | Style |
| TYPE | Type |

0037 **material-product-classification-type-name**

C L 5

The classification name within a particular material type code which differentiates various materials from each other. For example, if materials are designated as Type I or Type II, "Type" is the material classification type code, and "I" and "II" are material attribute type names. See also DED 0191, material-product-name. (Source of requirements: MIL-STD-961.)

part-classification-type-value

C L 5

The classification value within a particular part classification type code which differentiates various materials and/or parts from each other. For example, if materials are designated as Type I or Type II, "Type" is the part

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|------|--|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | classification type code, and "I" and "II" are part attribute type values. | | | | |
| 0038 | product-service-life-usage | C | L | | 45 |
| | The conditions under which the projected product service life period is applicable. For example, extreme conditions, salt spray, arctic, tropical. | | | | |
| 0039 | place-internal-address-text | C | L | | 30 |
| | The address for internal mail delivery at a location. Examples include Suite number, Building number, Mail Station, Mail Stop but specifically exclude organization identifiers (such as: License Bureau, LGMA, Code 3102). (Source of requirements: ISO 10303-41.) | | | | |
| 0040 | region-place-name | C | F | | 2 |
| | The name or standard abbreviation for a geopolitical region in a country. For example, one of the states of the United States of America, one of the provinces of Canada or one of the counties of Great Britain. (Source of requirements: ISO 10303-41.) | | | | |
| 0041 | city-place-name | C | L | | 20 |
| | The name of a city, town, village, or named place; usually associated with a state or country. (Source of requirements: MIL-STD-1388-2B.) | | | | |
| 0042 | country-place-name | C | L | | 60 |
| | The name given to political state or nation or its territory. (Source of requirements: MIL-STD-1388-2B.) | | | | |
| 0043 | place-postal-zone-code | C | L | | 10 |
| | The postal zone code (U.S. ZIP Code) or other country postal zone code used to facilitate mail delivery. Must be uppercase letters, digits or dash (-). (Source of requirements: U.S. Postal Service.) | | | | |
| 0044 | enterprise-office-name | C | L | | 20 |
| | The name of a particular agency, activity or division within an organization or enterprise. Sometimes referred to as an office symbol. | | | | |
| | application-activity-enterprise-office-name | | | | |
| | The name of a particular activity, office, or organization that is a user of an item or document for which another enterprise is responsible. | | | | |
| | contracting-officer-responsible-office-name | | | | |
| | The name of a particular activity, office, or organization that is responsible for administration of the contract that will be affected by the ECP. | | | | |
| | current-document-design-control-enterprise-office-name | | | | |
| | The name or the office symbol of the activity, office or organization that currently has design control for a document, data or other information. | | | | |
| | deviation-implementation-required-action-responsible-enterprise-office-name | | | | |
| | The name of the activity, office or organization responsible for assuring implementation of a specific required action resulting from an approved RFD. | | | | |
| | document-custodial-enterprise-office-name | | | | |
| | The name of a particular agency, activity or division within an organization or enterprise that is responsible for custodial control over a document. This is the division or office of the design agency or contractor responsible for the physical maintenance and modification of the document. | | | | |
| | document-distribution-controller-enterprise-office-name | | | | |
| | The name or the office symbol of the activity, office or organization that has distribution control for a document, data or other information. (Source of requirements: DODD 5230.24, DODD 5230.25, DODD | | | | |

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|------|---|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | 5230.9, Public Law 98-94, Section 1217.) | | | | |
| | engineering-change-proposal-document-contract-administration-office-name | | | | |
| | The name of the activity, office or organization designated as the defense contract management office. | | | | |
| | engineering-change-implementation-required-action-responsible-enterprise-office-name | | | | |
| | The name of the activity, office or organization responsible for accomplishing an assigned implementation task for an approved ECP. | | | | |
| | human-personal-identifier-source-identifier | | | | |
| | The name of a particular agency, activity or division within an organization or enterprise that assigns and maintains unique personal identifiers within an enterprise. Sometimes referred to as an office symbol. | | | | |
| | performing-activity-enterprise-technical-monitor-division-office-name | | | | |
| | The name of the activity, office, or organization that is responsible for performing a specific task. | | | | |
| | tasking-activity-enterprise-technical-monitor-division-office-name | | | | |
| | The name of the activity, office, or organization that is responsible for issuing an order to another activity to perform a specific task. | | | | |
| 0045 | configuration-item-product-designation-identifier | C | L | | 103 |
| | This is a unique identifier, assigned by the Government, to selected configuration items for the purpose of control, tracking and logistics purposes. For hardware (HWCI) the identifier consists of the designator (type-model-series or the mission-design series) followed by the product nomenclature. For software (CSCI) it consists of the software developer source followed by the software identifier. The CI identifier is assigned only when there is directions contained in the requirements of the contract or other similar tasking document. Must be uppercase letters, numbers, dash (-), or virgule (/). (Source of requirements: Air Force Regulation (AFR) 16-401, Army Regulation (AR) 70-50, MIL-STD-1464 (Armament Research, Development and Engineering Center (AR)), MIL-STD-1661(Naval Surface Warfare Center (OS)), MIL-HDBK-1812, MIL-STD-196, MIL-STD-787, Naval Materiel Systems Command Instruction (NAVMATINST) 8800.4.) | | | | |
| 0046 | entity-postal-box-identifier | C | L | | 8 |
| | The postal box number assigned for delivery of mail to an individual or enterprise by the postal authority. (Source of requirements: ISO 10303-41.) | | | | |
| 0047 | part-component-alpha-quantity-code | C | L | | 2 |
| | This code is used when the component quantity is unknown or cannot be determined in a numeric form. | | | | |
| | The valid domain value for this element is AR for As Required. | | | | |
| 0048 | relationship-type | C | L | | 2 |
| | A code that identifies the relationship between an assembly and its components, a part (either an assembly or a component) and its related information (referenced parts, packaging and inspection information), or between related documents. | | | | |

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|--------------------|
| CP | Component Part |
| CM | Component Material |
| CS | Component Software |
| RP | Reference Part |
| RD | Reference Document |

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|------|---|--|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | IP Inspection Part | | | | |
| | PP Packaging Part | | | | |
| | IA In Accordance With Document | | | | |
| | SD Supplemental Document | | | | |
| 0049 | product-stock-identifier | C | F | | 16 |
| | The stock number identifier assigned to each item of supply repetitively used, purchased, stocked, or distributed. This may include Government assigned National Stock Number (NSN), commercial stock numbers, Unified Product Codes (UPC) or similar assigned stock numbers. | | | | |
| | replaced-product-stock-identifier | | | | |
| | The stock number identifier for a part for which a substitute part is available, or which has been discontinued and replaced by a superseding part. | | | | |
| | replacement-product-stock-identifier | | | | |
| | The stock number identifier for a part which has been designated for use as a replacement for another item which has been superseded, or as a substitute for another item which is temporarily unavailable. | | | | |
| 0050 | enterprise-identification-type-code | C | F | | 3 |
| | The identification code which represents and/or denotes the method used to identify an organization or enterprise. | | | | |
| | The valid domain values for this element are as follows: | | | | |
| | <u>Domain Value</u> | <u>Meaning</u> | | | |
| | CAG | CAGE or NSCM | | | |
| | COM | Commercial name | | | |
| | ORG | Organization identifying acronym | | | |
| | SUP | Supplier Code | | | |
| 0051 | configuration-item-designation--convention-document-code | C | L | | 4 |
| | A code which represents and/or denotes the military standard upon which the assignment of configuration item nomenclature is based. | | | | |
| | The valid domain values for this element are as follows: | | | | |
| | <u>Domain Value</u> | <u>Meaning</u> | | | |
| | 1464 | MIL-STD-1464(AR), Army Nomenclature System | | | |
| | 1661 | MIL-STD-1661(OS), Mark & Mod Nomenclature System | | | |
| | 1812 | MIL-HDBK-1812, Type Designation, Assignment and Method for Obtaining | | | |
| | 196 | MIL-STD-196, Joint Electronics Type Designation System | | | |
| | 787 | MIL-STD-787, Joint Optical Range Instrumentation Type Designation System | | | |
| | CSCI | Computer Software Configuration Item as defined in DOD-STD-2167, Defense System Software Development; MIL-STD-498, Software Development and Documentation; or equivalent | | | |
| | MAV | AF 16-401/AR 70-50/NAVMATINST 8800.4, Designating and Naming Defense Equipment - Military Aerospace Vehicles | | | |
| | OBS | Other, obsolete, standard | | | |
| | configuration-item-designation-convention-document-code | C | L | | 4 |
| | A code which represents and/or denotes the military standard upon which the assignment of configuration item nomenclature is based. | | | | |

APPENDIX C

DED DED TITLE/ROLE TITLE
Definition and Legal Values (if any)
Type Jst Dec Size

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|--|
| 1464 | MIL-STD-1464(AR), Army Nomenclature System |
| 1661 | MIL-STD-1661(OS), Mark & Mod Nomenclature System |
| 1812 | MIL-HDBK-1812, Type Designation, Assignment and Method for Obtaining |
| 196 | MIL-STD-196, Joint Electronics Type Designation System |
| 787 | MIL-STD-787, Joint Optical Range Instrumentation Type Designation System |
| CSCI | Computer Software Configuration Item as defined in DOD-STD-2167, Defense System Software Development; MIL-STD-498, Software Development and Documentation; or equivalent |
| MAV | AF 16-401/AR 70-50/NAVMATINST 8800.4, Designating and Naming Defense Equipment - Military Aerospace Vehicles |
| OBS | Other, obsolete, standard |

0052 **enterprise-identifier** C L 30

A generic identifier for an enterprise which refers to either a Supplier Code, a CAGE/NSCM Code, an acronym for a standards organization, or a company name. See Table C-I.

0053 **part-component-quantity** C R 4

The unit quantity of an item required in an part or assembly. The valid domain values for this element are: a series of digits or the code 'AR' meaning 'As Required'.

0054 **part-measurement-unit-code** C L 4

The code used as an abbreviation for the type of units that regulate the measurement of parts. (Source of requirements: ANSI/IEEE STD 260, DOD 4100.38-M, U.S. Government Printing Office (GPO) Style Manual.) (This is equivalent to MIL-PRF-49506 DED 1510.)

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|------------------|
| BBL | Barrel |
| CG | Centigram |
| CL | Centiliter |
| CM | Centimeter |
| CUCM | Cubic Centimeter |
| CUFT | Cubic Foot |
| CUIN | Cubic Inch |
| CUKM | Cubic Kilometer |
| CUM | Cubic Meter |
| CUMM | Cubic Millimeter |
| CUYD | Cubic Yard |
| EA | Each |
| FT | Foot |
| G | Gram |
| GAL | Gallon |
| GR | Grain |
| IN | Inch |
| KG | Kilogram |
| KL | Kiloliter |
| KM | Kilometer |
| KT | Metric Ton |

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|------|---|-------|-------|-------|-------|
| | <u>Definition and Legal Values (if any)</u> | _____ | _____ | _____ | _____ |
| L | Liter | | | | |
| LB | Pound | | | | |
| M | Meter | | | | |
| MG | Milligram | | | | |
| MI | Mile | | | | |
| ML | Milliliter | | | | |
| MM | Millimeter | | | | |
| OZ | Ounce | | | | |
| PT | Pint | | | | |
| QT | Quart | | | | |
| SQCM | Square Centimeter | | | | |
| SQFT | Square Foot | | | | |
| SQIN | Square Inch | | | | |
| SQKM | Square Kilometer | | | | |
| SQM | Square Meter | | | | |
| SQMI | Square Mile | | | | |
| SQMM | Square Millimeter | | | | |
| SQYD | Square Yard | | | | |
| TON | Ton | | | | |
| YD | Yard | | | | |

product-measurement-unit-code

The code used as an abbreviation for the type of units that regulate the measurement of parts and materials. (Source of requirements: ANSI/IEEE STD 260, DOD 4100.38-M, U.S. Government Printing Office (GPO) Style Manual.) (This is equivalent to MIL-PRF-49506 DED 1510.)

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|------------------|
| BBL | Barrel |
| CG | Centigram |
| CL | Centiliter |
| CM | Centimeter |
| CUCM | Cubic Centimeter |
| CUFT | Cubic Foot |
| CUIN | Cubic Inch |
| CUKM | Cubic Kilometer |
| CUM | Cubic Meter |
| CUMM | Cubic Millimeter |
| CUYD | Cubic Yard |
| EA | Each |
| FT | Foot |
| G | Gram |
| GAL | Gallon |
| GR | Grain |
| IN | Inch |
| KG | Kilogram |
| KL | Kiloliter |
| KM | Kilometer |
| KT | Metric Ton |
| L | Liter |
| LB | Pound |

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|------|---|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| M | Meter | | | | |
| MG | Milligram | | | | |
| MI | Mile | | | | |
| ML | Milliliter | | | | |
| MM | Millimeter | | | | |
| OZ | Ounce | | | | |
| PT | Pint | | | | |
| QT | Quart | | | | |
| SQCM | Square Centimeter | | | | |
| SQFT | Square Foot | | | | |
| SQIN | Square Inch | | | | |
| SQKM | Square Kilometer | | | | |
| SQM | Square Meter | | | | |
| SQMI | Square Mile | | | | |
| SQMM | Square Millimeter | | | | |
| SQYD | Square Yard | | | | |
| TON | Ton | | | | |
| YD | Yard | | | | |

part-product-bulk-measurement-unit-code

A unit of measure code that represents the unit of measurement used for expressing part unit weights.

| | | | | | |
|------|---|---|---|--|----|
| 0055 | place-reference-designator-identifier | C | L | | 25 |
| | A numeric, alpha, or alphanumeric designator, used to uniquely identify and locate discrete units, portions thereof, and basic parts of a specific component. (Source of requirements: IEEE 200-75, Reference Designations for Electrical & Electronic Parts and Equipments.) (This is equivalent to MIL-PRF-49506 DED 1030.) | | | | |
| 0056 | part-priority-association-number | C | L | | 6 |
| | A number or other identifier used to associate alternate or substitute parts to the preferred part. | | | | |
| 0057 | product-change-effectivity-tracking-type-code | C | F | | 1 |
| | A code which represents or denotes the type of sequential unit identifier which will be used to specify and track implementation of a change to an item or the timing of the effectivity. | | | | |

If the primary tracking identifier is: Then suitable alternates include:

| | |
|-------------------------------------|---|
| Block number | lot number |
| Date code | [none] |
| Government-assigned serial number | manufacturer-assigned serial number, lot number, block number |
| Lot number | block number |
| Manufacturer-assigned serial number | Government-assigned serial number, lot number, block number |

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|-----------------------------------|
| B | Block-change number |
| D | Date-code |
| G | Government-assigned serial number |
| L | Lot number |

assembled-product-effectivity-tracking-type-code

A code which designates the type of product effectivity tracking identifier being used for this assembled product.

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|------|--|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | component-product-effectivity-tracking-type-code | | | | |
| | A code which designates the type of product effectivity tracking identifier being used for this component. | | | | |
| | component-product-lot-effectivity-tracking-type-code | | | | |
| | A code which designates the type of product effectivity tracking identifier being used for this component lot. | | | | |
| | product-block-effectivity-tracking-type-code | | | | |
| | A code which designates the type of product effectivity tracking identifier being used for this product block. | | | | |
| | product-government-effectivity-tracking-type-code | | | | |
| | A code which designates the type of product effectivity tracking identifier being used for this | | | | |
| | product-lot-effectivity-tracking-type-code | | | | |
| | A code which designates the type of product effectivity tracking identifier being used for this product lot. | | | | |
| | product-manufacturer-effectivity-tracking-type-code | | | | |
| | A code which designates the type of product effectivity tracking identifier being used for this product manufacturer. | | | | |
| | product-manufacturing-date-code-effectivity-tracking-type-code | | | | |
| | A code which designates the type of product effectivity tracking identifier being used for this product manufacturing date code. | | | | |
| | product-manufacturing-datecode-effectivity-tracking-type-code | | | | |
| | A code which designates the type of product effectivity tracking identifier being used for this product manufacturing date code. | | | | |
| | regrouped-product-lot-effectivity-tracking-type-code | | | | |
| | A code which designates the type of product effectivity tracking identifier being used for this regrouped product lot. | | | | |
| 0058 | product-sequential-tracking-identifier | C | L | | 15 |
| | A generic product tracking identifier applied to any sequentially-assigned number/letter combination that is applied to the product to differentiate units of the product; for example, serial numbers, lot numbers. | | | | |
| | product-ending-effectivity-sequential-tracking-identifier | | | | |
| | The ending unit tracking identifier in the range of unit tracking identifiers for which a particular design change is applicable to the item. For example, serial or block numbers. (This is equivalent to MIL-PRF-49506 DED 1170.) | | | | |
| | product-starting-effectivity-sequential-tracking-identifier | | | | |
| | The starting unit tracking identifier in the range of unit tracking identifiers for which a particular design change is applicable to the item. For example, serial or block numbers. (This is equivalent to MIL-PRF-49506 DED 1170.) | | | | |
| 0059 | program-name | C | L | | 30 |
| | The name of any definable collection of resources and assets bound by a common objective. This is sometimes referred to as a system name. Characters are limited to letters, numbers, decimals (.), spaces (), virgules (/), hyphens (-), and parenthesis (). | | | | |
| | program-subsystem-name | | | | |
| | The name of a system or program which is subsidiary to a higher level system within a program or project. | | | | |
| | program-system-name | | | | |
| | The name of a system or program. | | | | |

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|--|---|---|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| 0060 | part-quantity-estimate-code A code that denotes that an assembly or component quantity was estimated. (Source of requirements: ASME Y14.34) | YN | L | | 1 |
| 0062 | software-product-version-identifier An identifier that designates the version/revision of the software product. The version number and/or letter is used to indicate a particular release of the software. Upper and lowercase letters; digits; and special characters (-); (.) or (:). | C | L | | 8 |
| 0063 | product-interchangeability-code A code which signifies or denotes whether the substitute/replacement part/material is one-way or two-way interchangeable with the primary part/material. (This is equivalent to MIL-PRF-49506 DED 0430.) | C | F | | 1 |
| The valid domain values for this element are as follows: | | | | | |
| | <u>Domain Value</u> | <u>Meaning</u> | | | |
| | 1 | The substitute/replacement part/material can be used in lieu of the primary or original part/material, but NOT vice versa | | | |
| | 2 | The substitute/replacement part/material can be used in lieu of the primary or original part/material and vice versa | | | |
| 0064 | asset-version-identifier The unique identifier which denotes a specific release or revision of an asset. Must be uppercase and lowercase letters; digits; and special characters dash (-), decimal (.), or colon (:). | C | L | | 8 |
| | computer-operating-system-software-asset-version-identifier The unique identifier which denotes a specific release of the software operating system that was used in developing the software product. | | | | |
| | computer-software-compiler-asset-version-identifier The unique identifier that denotes a specific release of the software compiler used to generate object code for the software product. | | | | |
| | computer-software-link-asset-version-identifier The unique identifier that denotes a specific release of the link software. | | | | |
| 0065 | audit-process-required-action-description-text The freeform description of the action item action to be accomplished as a result of the audit. | C | L | | 999 |
| 0066 | process-action-comment-text Freeform text comments concerning a required action. | C | L | | 999 |
| 0067 | human-given-name The name given to a child, usually by their parents, to uniquely identify the child within the family. Must be uppercase and lowercase characters, dash (-), and decimal (.) only. | C | L | | 15 |
| | human-first-given-name The given name that is listed first when more than one name is given to a person. | | | | |
| | human-middle-given-name The given name that is listed between the first and last names when more than one name is given to a person. | | | | |
| 0068 | human-last-given-name The name that relates a person to his parents. This is sometimes a 'family name', 'surname', or 'patronymic'. Must be uppercase and lowercase characters or dash (-). | C | L | | 20 |

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size | | | | | | |
|---------------------|---|---------------------|----------------|-----|--------------------------------|-----|------------------------------|---|---|--|---|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — | | | | | | |
| 0069 | human-personal-identifier The unique identifier of an individual human being. Note: Within most countries this is an identification number assigned by the Government. Within the United States, the closest identifier to this concept is the Social Security Number, however, it is illegal to use it for this purpose. Therefore, it is recommended that the unique personal identifier defined be comprised of the last four digits of the Social Security Number followed by the person's last name. For example: 1234Smith. This should meet U.S. legal restrictions and computer database uniqueness requirements. | C | L | | 24 | | | | | | |
| 0070 | audit-process-type-code The audit process code which represents and/or denotes the type of configuration audit being performed on the developed products. Functional requirements are reviewed at the Functional Configuration Audit (FCA) and physical requirements at the Physical Configuration Audit (PCA). The valid domain values for this element are as follows: <table><tr><td><u>Domain Value</u></td><td><u>Meaning</u></td></tr><tr><td>FCA</td><td>Functional configuration audit</td></tr><tr><td>PCA</td><td>Physical configuration audit</td></tr></table> | <u>Domain Value</u> | <u>Meaning</u> | FCA | Functional configuration audit | PCA | Physical configuration audit | C | F | | 3 |
| <u>Domain Value</u> | <u>Meaning</u> | | | | | | | | | | |
| FCA | Functional configuration audit | | | | | | | | | | |
| PCA | Physical configuration audit | | | | | | | | | | |
| 0071 | agreement-name The name of an agreement. (Source of requirements: DDRS element 12,682.) | C | L | | 100 | | | | | | |
| 0072 | action-identifier An identifier that represents a specific action. Must be the ASCII character set of digits 0-9. (Source of requirements: DDRS element 9904.) audit-process-action-identifier An audit action identifier used as the unique and primary reference for an audit action item. Must be the ASCII character set of digits 0-9. deviation-implementation-process-action-identifier The identifier used as a unique and primary reference for an action that is required to implement an approved RFD. Must be the ASCII character set of digits 0-9. engineering-change-implementation-process-action-identifier The identifier used as a unique and primary reference for an action that is required to implement an approved ECP. Must be the ASCII character set of digits 0-9. | C | R | | 10 | | | | | | |
| 0073 | product-federal-supply-classification-code The code which represents the federal supply classification code as defined in Cataloging Handbook H2-1 or a Standardization Area as defined in the Standardization Document (SD)-1. Must be one of the 4-digit codes specified in H2-1 or one of the 4-letter codes for Standardization Areas specified in SD-1 (Source of requirements: DLA Cataloging Handbook H2-1.) | C | F | | 4 | | | | | | |
| 0074 | materiel-item-supply-electrostatic-discharge-electromagnetic-interference-code The code that represents the susceptibility of a materiel-item-supply to electrostatic discharge or electromagnetic damage. (Source of requirements: DDRS element 10,529, MIL-STD-100.) supply-item-electrostatic-discharge-electromagnetic-interference-code The code that represents whether an item of supply is susceptible to electrostatic discharge or electromagnetic damage. (Source of requirements: DDRS element 10,529, MIL-STD-100.) | YN | F | | 1 | | | | | | |

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|--|---------------------|----------------|-----|-------------------------------|----|--|----|------------------------------|----|--------------------------|-----|-----------------------------------|-----|-----------------------------------|-----|-----------------------------------|-----|-----------------------------------|-----|-----------------------------------|----|---|---------------------|----------------|----|-------------------------------|----|--|----|------------------------------|----|--------------------------|-----|-----------------------------------|-----|-----------------------------------|-----|-----------------------------------|-----|-----------------------------------|-----|-----------------------------------|----|---|---|---|--|---|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0075 | document-reference-citation-identifier Citation identifier to a specific reference within a document, for example, a paragraph number, figure or table number, appendix number, drawing sheet and/or zone. (Source of requirements: DOD 5010.12-M.) | C | L | | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0076 | entity-type-code The standard code which represents and/or denotes whether the entity-identifier is an organization or person. The valid domain values for this element are as follows: <table><tr><th><u>Domain Value</u></th><th><u>Meaning</u></th></tr><tr><td>E</td><td>Enterprise or organization</td></tr><tr><td>H</td><td>Human individual</td></tr></table> | <u>Domain Value</u> | <u>Meaning</u> | E | Enterprise or organization | H | Human individual | C | F | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>Domain Value</u> | <u>Meaning</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E | Enterprise or organization | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | Human individual | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0078 | materiel-item-supply-hazardous-material-code The code that represents a materiel item of supply that requires special handling because of environmental or safety reasons. (Source of requirements: DDRS element 10,534.) The valid domain values for this element are as follows: <table><tr><th><u>Domain Value</u></th><th><u>Meaning</u></th></tr><tr><td>BI</td><td>Biological hazardous material</td></tr><tr><td>EP</td><td>Emergency Planning and Community Right to Know Act (EPCRA)</td></tr><tr><td>EX</td><td>Explosive hazardous material</td></tr><tr><td>OT</td><td>Other hazardous material</td></tr><tr><td>OZ1</td><td>Ozone Depleting Substance Class 1</td></tr><tr><td>OZ2</td><td>Ozone Depleting Substance Class 2</td></tr><tr><td>OZ3</td><td>Ozone Depleting Substance Class 3</td></tr><tr><td>OZ4</td><td>Ozone Depleting Substance Class 4</td></tr><tr><td>OZ5</td><td>Ozone Depleting Substance Class 5</td></tr><tr><td>RN</td><td>Radiation or Nuclear hazardous material</td></tr></table> supply-item-hazardous-material-code A code that identifies the requirements for special handling because of environmental or safety reasons. (Source of requirements: DDRS element 10,534.) The valid domain values for this element are as follows: <table><tr><th><u>Domain Value</u></th><th><u>Meaning</u></th></tr><tr><td>BI</td><td>Biological hazardous material</td></tr><tr><td>EP</td><td>Emergency Planning and Community Right to Know Act (EPCRA)</td></tr><tr><td>EX</td><td>Explosive hazardous material</td></tr><tr><td>OT</td><td>Other hazardous material</td></tr><tr><td>OZ1</td><td>Ozone Depleting Substance Class 1</td></tr><tr><td>OZ2</td><td>Ozone Depleting Substance Class 2</td></tr><tr><td>OZ3</td><td>Ozone Depleting Substance Class 3</td></tr><tr><td>OZ4</td><td>Ozone Depleting Substance Class 4</td></tr><tr><td>OZ5</td><td>Ozone Depleting Substance Class 5</td></tr><tr><td>RN</td><td>Radiation or Nuclear hazardous material</td></tr></table> | <u>Domain Value</u> | <u>Meaning</u> | BI | Biological hazardous material | EP | Emergency Planning and Community Right to Know Act (EPCRA) | EX | Explosive hazardous material | OT | Other hazardous material | OZ1 | Ozone Depleting Substance Class 1 | OZ2 | Ozone Depleting Substance Class 2 | OZ3 | Ozone Depleting Substance Class 3 | OZ4 | Ozone Depleting Substance Class 4 | OZ5 | Ozone Depleting Substance Class 5 | RN | Radiation or Nuclear hazardous material | <u>Domain Value</u> | <u>Meaning</u> | BI | Biological hazardous material | EP | Emergency Planning and Community Right to Know Act (EPCRA) | EX | Explosive hazardous material | OT | Other hazardous material | OZ1 | Ozone Depleting Substance Class 1 | OZ2 | Ozone Depleting Substance Class 2 | OZ3 | Ozone Depleting Substance Class 3 | OZ4 | Ozone Depleting Substance Class 4 | OZ5 | Ozone Depleting Substance Class 5 | RN | Radiation or Nuclear hazardous material | C | F | | 3 |
| <u>Domain Value</u> | <u>Meaning</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BI | Biological hazardous material | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EP | Emergency Planning and Community Right to Know Act (EPCRA) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EX | Explosive hazardous material | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OT | Other hazardous material | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OZ1 | Ozone Depleting Substance Class 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OZ2 | Ozone Depleting Substance Class 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OZ3 | Ozone Depleting Substance Class 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OZ4 | Ozone Depleting Substance Class 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OZ5 | Ozone Depleting Substance Class 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RN | Radiation or Nuclear hazardous material | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>Domain Value</u> | <u>Meaning</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BI | Biological hazardous material | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EP | Emergency Planning and Community Right to Know Act (EPCRA) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EX | Explosive hazardous material | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OT | Other hazardous material | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OZ1 | Ozone Depleting Substance Class 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OZ2 | Ozone Depleting Substance Class 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OZ3 | Ozone Depleting Substance Class 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OZ4 | Ozone Depleting Substance Class 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OZ5 | Ozone Depleting Substance Class 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RN | Radiation or Nuclear hazardous material | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0079 | document-export-control-code The standard export code which represents and/or denotes whether or not an export control warning notice is | YN | F | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|------|---|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | required for a document that contains technical data subject to withholding from public release. (Source of requirements: DoDD 5230.24, DoDD 5230.25, DoDD 5230.9.) | | | | |
| 0080 | document-export-control-warning-text | C | L | | 500 |
| | The full text of the export control warning which is as follows: "WARNING - This document contains technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C. Sec 2751, et seq.) or the Export Administration Act of 1979, as amended, Title 50, U.S.C., App 2401 et seq. Violations of these export laws are subject to severe criminal penalties. Disseminate in accordance with provisions of DoD Directive 5230.25." (Source of requirements: DODD 5230.24, DODD 5230.25, DODD 5230.9.) | | | | |
| 0081 | product-proposed-retrofit-completion-mro | I | L | | 2 |
| | The length of time that is proposed for completion of the retrofit of items identified for change by retrofit. Usually expressed as MRO (months after receipt of order.) | | | | |
| 0082 | {-date | S | | | 8 |
| | The date of an event. It may be expressed as (1) the year, month, and day (Gregorian calendar date) of the event, that is, CCYYMMDD, (2) the year and day of year (Julian date) of the event, that is CCYYDDD, (3) the year, the letter 'W', the week of year, and the day of week of the event, that is CCYYWwwD, 4) the year only of the event, that is CCYY, or 5) the year and month of the event, that is CCYYMM, where D is DED 0269, DD is DED 0268 and is limited to the range 1 to 31 (for MM = 1,3,5,6,8,10, or 12), 1 to 30 (for MM = 4,6,9, or 11), 1 to 28 (for MM = 2 and either CCYY not evenly divisible by 4, or CCYY evenly divisible by 100 but not by 400), and 1 to 29 (for MM = 2 and either CCYY evenly divisible by 4 but not evenly divisible by 100, or CCYY evenly divisible by 400), DDD is DED 0267 and is limited to the range 1 to 365 (for either CCYY not evenly divisible by 4 or CCYY evenly divisible by 100 but not 400), and 1 to 366 (for either CCYY evenly divisible by 4 but not evenly divisible by 100, or CCYY evenly divisible by 400), MM is DED 0211, W is the character 'W', ww is DED 0270, and CCYY is DED 0219. See Figure C-5. (Source of requirements: ISO 8601.) {Note: there is no alias assigned for this DED] | | | | |
| | agreement-effective-date | | | | |
| | The date on which the contract, contract modification, supplemental agreement, or similar contractual directive was officially in effect. The type of agreement is listed under the agreement-name, DED 0071. | | | | |
| | audit-process-action-item-disposition-status-date | | | | |
| | The 'as-of' date for reporting the current status of action taken on an audit action item. The type of action taken is listed in process-disposition-action-status-code, DED 0021. | | | | |
| | audit-process-date | | | | |
| | The date on which an audit took place. Normally associated with the FCA and PCA, but can apply to a specific software audit date. | | | | |
| | contract-data-requirement-list-document-form-approval-process-disposition-action-status-date | | | | |
| | The approval date on which the CDRL form entry or modification was approved for use. | | | | |
| | contract-data-requirement-list-document-form-preparation-process-completion-date | | | | |
| | The date the CDRL form entry or modification was prepared for use. | | | | |
| | contract-data-requirement-list-document-item-effective-cut--off-date | | | | |
| | The date prior to submittal of a contract data item, on which data collection for the report is ended. | | | | |
| | contract-data-requirement-list-document-item-effective-cut-off-date | | | | |
| | The date prior to submittal of a contract data item, on which data collection for the report is ended. | | | | |
| | contract-data-requirement-list-document-item-initial-submittal-due-date | | | | |
| | The date that the first submittal of a contract data item is due to the customer. | | | | |

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|-----|---|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | contract-data-requirement-list-document-item-subsequent-submittal-due-date | | | | |
| | The date that the second and subsequent submittal(s) of a contract data item is due to the customer. | | | | |
| | contract-data-submittal-document-approval-process-disposition-status-date | | | | |
| | The date on which the CDRL item status was assigned. | | | | |
| | contract-data-submittal-document-calendar-due-date | | | | |
| | The due date for the submitted data at the recipient customer office(s). Depending upon submittal identifier and submittal revision letter, this is also known as the Date of First Submission, Initial Due Date, Date of Subsequent Submission, or Resubmittal Due Date. If the contract event code and contract event delta are non-blank, the value of this field defaults to the value calculated as described in contract event delta. The delta between this date and the submitted date provides a contractual delivery timeliness metric. | | | | |
| | contract-data-submittal-document-customer-final-disposition-suspense-date | | | | |
| | The planned time on which the customer will make a final decision on the disposition of the contract data item submittal. | | | | |
| | contract-data-submittal-document-customer-technical-review-completion-suspense-date | | | | |
| | The planned date for completion of the CDRL submittal review by all technical reviewers. | | | | |
| | contract-data-submittal-document-effective-cut--off-date | | | | |
| | The date prior to submittal of a contract data item, on which data collection for the data item is ended. | | | | |
| | contract-data-submittal-document-resubmittal-due-date | | | | |
| | The submittal due date that is established for a revised data item which is required as a result of disapproval of a submitted data item. | | | | |
| | contract-data-submittal-document-subsequent-delivery-calendar-due-date | | | | |
| | The date on which delivery, other than the initial delivery, of a contract data item is due. | | | | |
| | contract-date | | | | |
| | The date the contract was signed. | | | | |
| | deviation-document-preparation-date | | | | |
| | The date the RFD document number and revision identifier were assigned; the date work began on preparation of the RFD. | | | | |
| | document-copyright-date | | | | |
| | The copyright date of a document. | | | | |
| | engineering-change-proposal-document-contract-administration-disposition-recommendation-date | | | | |
| | The date on which the defense contract management office recommends approval/disapproval of the ECP. | | | | |
| | engineering-change-proposal-document-preparation-date | | | | |
| | The date the ECP document number and revision identifier were assigned; the date work began on preparation of the ECP. | | | | |
| | deviation-document-disposition-status-date | | | | |
| | The 'as-of' date for reporting the current status of action taken on an RFD. | | | | |
| | deviation-implementation-process-action-disposition-status-date | | | | |
| | The 'as-of' date for reporting the current status of disposition action taken on an RFD implementation action item. The type of action is listed in the process-disposition-status-code, DED 0021. | | | | |

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|-----|---|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | disposition-process-technical-recommendation-completion-date | | | | |
| | The actual date on which the technical office of primary responsibility completes their review of the submittal revision and recommends a disposition of the final disposition authority. | | | | |
| | document-change-control-authority-effective-date | | | | |
| | The date on which an entity becomes the current document change authority for a document. | | | | |
| | document-disposition-status-date | | | | |
| | The 'as-of' date for reporting the current status of action taken on a document. | | | | |
| | document-distribution-restriction-determination-date | | | | |
| | The date that document distribution restrictions were determined to be applicable to a specific document. (Source of requirements: DODD 5230.24, DODD 5230.25, DODD 5230.9, Public Law 98-94, Section 1217. | | | | |
| | document-preparation-date | | | | |
| | The date the document number and revision identifier were assigned; the date work began on preparation of the document. | | | | |
| | document-representation-creation-date | | | | |
| | The date that is assigned to document representation (or document representation revision) when it is created. For computer files it is the date assigned by the system in use. | | | | |
| | document-representation-release-process-disposition-status-date | | | | |
| | The date which identifies when the disposition action status was achieved in the process of document representation release by the originating activity. | | | | |
| | document-representation-release-process-next-status-suspense-date | | | | |
| | The date forecast for achievement of the next status in the document representation release process. | | | | |
| | document-revised-sheet-change-incorporation-date | | | | |
| | The date on which incorporation of an approved change into a specific sheet of a drawing was completed. | | | | |
| | document-revision-application-activity-approval-process-disposition-status-date | | | | |
| | The date on which the document revision achieves a particular status in the application activity approval process. | | | | |
| | document-revision-approval-process-disposition-status-date | | | | |
| | The date on which the document revision achieved a particular status in the document revision approval process. | | | | |
| | document-revision-approval-process-next-status-suspense-date | | | | |
| | The date forecast for achievement of the next status in the document revision approval process. | | | | |
| | document-revision-approval-process-submission-date | | | | |
| | The date on which the document revision achieved the status of 'SUBMIT' in the approval process. | | | | |
| | document-revision-generic-date | | | | |
| | The date that is used in identifying revisions of documents. | | | | |
| | document-security-classification-date | | | | |
| | The date the material was classified; if this is a derivative classification by a contractor, the date of the DD Form 254 or date of the classification guide will be entered. | | | | |
| | document-security-classification-downgrade-date | | | | |
| | The date that classified material is to be reclassified at a lower classification (for example: reclassified from | | | | |

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|-----|--|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | secret to confidential). | | | | |
| | document-security-declassification-date | | | | |
| | The date that classified material is to be declassified. | | | | |
| | electronic-document-comment-file-creation-date | | | | |
| | The date that a comment file is created, or revised and replaced. For computer files it is the date assigned by the system in use. | | | | |
| | electronic-document-file-creation-date | | | | |
| | The date that a file is created, or revised and replaced. For computer files it is the date assigned by the system in use. | | | | |
| | electronic-document-representation-file-creation-date | | | | |
| | The date that a file (which is part of a document representation) is created, or revised and replaced. For computer files it is the date assigned by the system in use. | | | | |
| | engineering-change-implementation-process-action-disposition-status-date | | | | |
| | The 'as-of' date for reporting the current status of disposition action taken on an ECP implementation action item. The type of action is listed in the process-disposition-status-code, DED 0021. | | | | |
| | engineering-change-proposal-document-contract-administration-change-class-concurrence-date | | | | |
| | The date that Defense Contract Management Command (DCMC) indicates concurrence/non-concurrence in the change classification of an ECP. | | | | |
| | engineering-change-proposal-document-disposition-status-date | | | | |
| | The 'as-of' date for reporting the current status of action taken on an ECP. | | | | |
| | engineering-change-proposal-document-production-contract-authority-need-date | | | | |
| | The date that the performing activity indicates on the ECP as necessary for contractual approval to take place so that the performing activity can incorporate the change in production at the effectivity specified in the ECP. | | | | |
| | engineering-change-proposal-document-retrofit-contract-authority-need-date | | | | |
| | The need date the performing activity specifies on the ECP form as necessary for contractual approval to maintain the estimated retrofit effectiveness specified in the ECP. | | | | |
| | engineering-change-proposal-document-revision-approval-process-approval-disposition-status-date | | | | |
| | The date on which an ECP achieved the status of 'approved' in the document approval process. | | | | |
| | material-product-design-release-date | | | | |
| | The date that the design activity releases the material design for use. | | | | |
| | modification-instruction-document-effective-date | | | | |
| | The date on which the modification instruction becomes effective for use. | | | | |
| | modification-instruction-document-issue-date | | | | |
| | The issue date of a modification instruction such as the Time Compliance Technical Order, the Technical Directive, the Modification Work Order or a Rapid Action Change document. | | | | |
| | modification-instruction-document-rescission-date | | | | |
| | The date when it is anticipated that the modification instruction will have been completely incorporated, included in applicable documents, and otherwise served its purpose. | | | | |
| | part-product-release-date | | | | |
| | The date that the design activity releases the part design for use. | | | | |

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|------|---|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | process-event-end-date | | | | |
| | The end date of a unique contractual event. Particular events are identified in the process-event-code, DED 0018. | | | | |
| | process-event-start-date | | | | |
| | The start date of a unique contractual event. Particular events are identified in the process-event-code, DED 0018. | | | | |
| | product-assembly-status-date | | | | |
| | The date a component part/material was installed in (or uninstalled from) the product assembly. | | | | |
| | product-manufacture-date | | | | |
| | The date that an item was fabricated, assembled, or remanufactured. | | | | |
| | product-royalty-expiration-date | | | | |
| | The expiration date of the royalty. | | | | |
| | product-shipping-date | | | | |
| | The date an item was shipped. | | | | |
| | program-configuration-control-board-decision-date | | | | |
| | The date on which the CCB decides on the disposition of an ECP or RFD. | | | | |
| | revision-notice-document-revision-approval-process-approved-disposition-status-date | | | | |
| | The date on which the NOR achieved the status of 'approved' in the document approval process. | | | | |
| | revision-notice-document-revision-approval-process-disposition-status-date | | | | |
| | The 'as-of' date for reporting the current status of action taken on an NOR. | | | | |
| | shipping-document-process-disposition-status-date | | | | |
| | The date on which the shipping document achieved a particular status in the shipping document disposition process. | | | | |
| | technical-document-government-data-rights-expiration-date | | | | |
| | The expiration date on government rights to technical data for a particular document, data or computer software. | | | | |
| | technical-manual-operational-supplement-document-issue-date | | | | |
| | The date of issue of an operational supplement to a DoD technical manual. | | | | |
| | technical-manual-routine-supplement-document-issue-date | | | | |
| | The date of issue of a routine supplement to a DoD technical manual. | | | | |
| | technical-manual-supplement-document-issue-date | | | | |
| | The date of issue of a supplement to a technical manual. | | | | |
| 0083 | technical-document-government-data-rights-text | C | L | | 200 |
| | The actual text of the technical data government rights legend. (Source of requirements: DFAR 252.277-7013.) | | | | |
| 0084 | document-company-proprietary-data-rights-code | C | F | | 1 |
| | The proprietary rights code which represents and/or denotes a restriction on the use of a delivered document or data. | | | | |

The valid domain values for this element are as follows:

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|------|---|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | <u>Domain Value</u> | | | | |
| | <u>Meaning</u> | | | | |
| | N | | | | |
| | P | | | | |
| | S | | | | |
| 0085 | document-security-access-restriction-code | C | L | | 6 |
| | The restriction code which represents and/or denotes a security-related restriction to document access which is in addition to the standard security classification (for example, secret, confidential). (Source of requirements: DOD 5200.1-R, DOD 5220.22-M.) | | | | |
| | The valid domain values for this element are as follows: | | | | |
| | <u>Domain Value</u> | | | | |
| | <u>Meaning</u> | | | | |
| | 2MAN | | | | |
| | CNWDI | | | | |
| | CRYPTO | | | | |
| | FRD | | | | |
| | NOFORN | | | | |
| | RD | | | | |
| | SAR | | | | |
| | WINTEL | | | | |
| 0086 | product-service-life-period-quantity | FX | R | 1 | 6 |
| | A number representing the expected service life of an item. | | | | |
| | supply-item-service-life-period-quantity | | | | |
| | A number representing the expected service life of an item. | | | | |
| 0087 | process-period-work-hour-quantity | FX | R | 1 | 5 |
| | The period of time in work hours and partial work hours required to complete a task. Examples are: the time to install a retrofit kit or to run the system test. | | | | |
| | equipment-modification-process-period-work-hour-quantity | | | | |
| | The length of time in hours and tenths associated with performing the work associated with implementing the modification instruction such as in an Modification Work Order (MWO), Time-compliance Technical Order (TCTO) or Technical Directive. | | | | |
| | retrofit-kit-installation-process-period-work-hour-quantity | | | | |
| | The length of time in hours and tenths required for installation of a retrofit kit by a particular level of maintenance. | | | | |
| | retrofit-kit-test-process-period-work-hour-quantity | | | | |
| | The length of time in hours and tenths that each activity requires to test the retrofit kit. | | | | |
| | retrofit-maintenance-process-period-work-hour-quantity | | | | |
| | The length of time in hours and tenths required by a particular level of maintenance for accomplishing a retrofit order by removing an obsolete component and replacing with a new component. | | | | |
| | retrofit-system-test-process-period-work-hour-quantity | | | | |
| | The length of time in hours and tenths that each activity requires to test the system after installation of the engineering change. | | | | |
| 0089 | program-higher-level-configuration-control-board-text | S | | | 90 |
| | The complete identification of the configuration control board from which a subsidiary configuration control | | | | |

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|------|---|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | board derives its authority. | | | | |
| 0090 | place-relative-thoroughfare-position-identifier | C | L | | 8 |
| | The identifier of the specific location of a building relative to the thoroughfare on which it is located; generally referred to as a street address. | | | | |
| 0091 | thoroughfare-place-name | C | L | | 30 |
| | The name of a thoroughfare. | | | | |
| 0093 | materiel-item-supply-precious-metals-indicator-code | C | F | | 1 |
| | The code that represents presence of precious metals (silver, gold, platinum) in a materiel-item-supply. (Source of requirements: DDRS element 10,541.) (This is equivalent to MIL-PRF-49506 DED 0790.) | | | | |

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|--|
| A | Item does not contain precious metal |
| C | Item contains combination of two or more precious metals |
| G | Item contains gold |
| P | Item contains platinum |
| S | Item contains silver |
| U | Precious metal type is unknown |
| V | Precious metal type varies between manufacturers |

| | | | | | |
|--|--|---|---|--|---|
| | supply-item-precious-metals-indicator-code | C | F | | 1 |
| | The code that represents presence of precious metals (silver, gold, platinum) in an item of supply. (Source of requirements: DDRS element 10,541.) (This is equivalent to MIL-PRF-49506 DED 0790.) | | | | |

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|--|
| A | Item does not contain precious metal |
| C | Item contains combination of two or more precious metals |
| G | Item contains gold |
| P | Item contains platinum |
| S | Item contains silver |
| U | Precious metal type is unknown |
| V | Precious metal type varies between manufacturers |

| | | | | | |
|------|--|---|---|--|---|
| 0094 | supply-item-control-shelf-life-code | C | F | | 1 |
| | The code that represents the period of time during which a materiel-item-supply retains usability. (Source of requirements: DDRS element 11,027, DOD 4100.39-M, Vol 10.) | | | | |

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|-----------------------|
| 0 | Non-deteriorative |
| 1 | 3 Months, extendable |
| 2 | 6 Months, extendable |
| 3 | 9 Months, extendable |
| 4 | 12 Months, extendable |
| 5 | 18 Months, extendable |
| 6 | 24 Months, extendable |

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| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|-----|--|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| 7 | 36 Months, extendable | | | | |
| 8 | 48 Months, extendable | | | | |
| 9 | 60 Months, extendable | | | | |
| A | 1 Month, non-extendable | | | | |
| B | 2 Months, non-extendable | | | | |
| C | 3 Months, non-extendable | | | | |
| D | 4 Months, non-extendable | | | | |
| E | 5 Months, non-extendable | | | | |
| F | 6 Months, non-extendable | | | | |
| G | 9 Months, non-extendable | | | | |
| H | 12 Months, non-extendable | | | | |
| J | 15 Months, non-extendable | | | | |
| K | 18 Months, non-extendable | | | | |
| L | 21 Months, non-extendable | | | | |
| M | 24 Months, non-extendable | | | | |
| N | 27 Months, non-extendable | | | | |
| P | 30 Months, non-extendable | | | | |
| Q | 36 Months, non-extendable | | | | |
| R | 48 Months, non-extendable | | | | |
| S | 60 Months, non-extendable | | | | |
| X | Medical items, personnel parachutes, and Individual Repair Part Ordering Data (IRPOD) items with a shelf-life period of greater than 60 months | | | | |

0096 **associated-list-document-subsidiary-type-code** C L 8

A code assigned by the document source that identifies a specific type of list associated with an engineering drawing or documentation package as defined in MIL-STD-100 or ASME Y14.34M or comparable non-U.S. documents.

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|----------------------|
| AL | Application List |
| DL | Data List |
| IDL | Indentured Data List |
| IL | Index List |
| PL | Parts List |
| WL | Wire List |

0097 **design-information-drawings-subsidiary-type-code** C L 8

A code which identifies the specific type of drawing (DWG), prepared in accordance with ASME Y.14 or similar standard for drawings which are 'Design Information' only. (No direct Hardware Control)

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|----------------------------|
| ARRDWG | Arrangement Drawing |
| CONTDEF | Contour definition Drawing |
| FCBDIAG | Functional Block Diagram |
| INSTLDWG | Installation Drawing |
| INTCDIAG | Interconnection Diagram |
| INTFCDWG | Interface control drawing |
| LCIRDIAG | Logic Circuit Diagram |

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| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|-----|---|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |

| | |
|---------|--|
| LYTDWG | Layout Drawing |
| MSCDIAG | Mechanical Schematic Diagram |
| OTHERDI | Design-Information Drawing not otherwise defined |
| SDCDIAG | Schematic Diagram or Circuit Diagram |
| SGLDIAG | Single Line Diagram |
| SMDDDWG | Software and Memory Device Data |

| | | | | | |
|------|--|---|---|--|---|
| 0098 | product-baseline-type-code | C | F | | 1 |
| | A baseline code which identifies the type of configuration baseline. | | | | |

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|---------------------|
| A | Allocated Baseline |
| C | Contracted baseline |
| F | Functional Baseline |
| P | Product Baseline |
| T | Technical Baseline |

top-level-indicator

The code that indicates a document is the top level in the hierarchy.

| | | | | | |
|------|---|---|---|--|---|
| 0099 | contract-data-submittal-document-revision-identifier | C | R | | 2 |
| | The unique revision identifier that indicates a change or modification to a delivered data item submittal. Must be uppercase letters excluding O. (Source of requirements: DOD-STD-1700.) | | | | |

contract-data-submittal-document-resubmittal-revision-identifier

The unique revision identifier that indicates a change or modification to a delivered data item resubmittal. Must be a dash (-) or uppercase letters excluding O. (Source of requirements: DOD-STD-1700.)

| | | | | | |
|------|---|---|---|--|---|
| 0100 | document-source-identification-type-code | C | F | | 1 |
| | An identification code which represents and/or denotes the method to be used to identify the source of a document, for example: an identifiable author, a CAGE code, a company name. See Table C-I. | | | | |

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|---|
| A | Author name, an Author's name is used to uniquely identify the source of the document |
| C | CAGE code, Commercial and Government Entity Code is used to uniquely define the source of the document |
| M | A company or manufacturer's name is used to uniquely identify the source of a document |
| O | An organizational acronym identifying a recognized standards organization (such as DOD, IEEE) is used to uniquely identify the source of the document |
| S | Supplier Code that uniquely identifies an organization by using an international designator and organization identification code |

| | | | | | |
|------|---|---|---|--|---|
| 0101 | document-identification-type-code | C | F | | 1 |
| | An identification code which represents and/or denotes the method used to uniquely identify a document, that is, by number or by title. | | | | |

The valid domain values for this element are as follows:

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|------|---|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | <u>Domain Value</u> | | | | |
| | <u>Meaning</u> | | | | |
| | N | | | | |
| | T | | | | |
| 0102 | enterprise-defense-logistics--assigned-identification-type-code | C | F | | 1 |
| | A code which denotes or represents whether a commercial and government entity (CAGE) code represents a commercial company or a U.S. DoD organization. | | | | |
| | The valid domain values for this element are as follows: | | | | |
| | <u>Domain Value</u> | | | | |
| | <u>Meaning</u> | | | | |
| | C | | | | |
| | G | | | | |
| 0103 | product-tracking--base-source-code | C | F | | 1 |
| | A code which denotes or represents the type of documentation which controls the product-tracking base-identifier (common base number). | | | | |
| | The valid domain values for this element are as follows: | | | | |
| | <u>Domain Value</u> | | | | |
| | <u>Meaning</u> | | | | |
| | C | | | | |
| | D | | | | |
| | M | | | | |
| | P | | | | |
| | S | | | | |
| | U | | | | |
| 0104 | deviation-request-document-price-adjustment-effect-rationale-text | C | L | | 999 |
| | A text description explaining the rationale for the proposed contract price adjustment or other valuable consideration which will be transferred to the Tasking Activity upon approval by the tasking activity of a proposed request for deviation. | | | | |
| 0105 | specification-document-category-code | C | F | | 3 |
| | A code denoting the category of a specification. (Source of requirements: MIL-STD-961.) | | | | |
| | The valid domain values for this element are as follows: | | | | |
| | <u>Domain Value</u> | | | | |
| | <u>Meaning</u> | | | | |
| | DTL | | | | |
| | PRF | | | | |
| 0106 | product-replacement-type-code | C | F | | 1 |
| | A product type code indicating whether a replacement product is a temporary substitute or a permanent (superseding) replacement. | | | | |
| | The valid domain values for this element are as follows: | | | | |

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|-----------------------|
| P | Permanent Superseding |
| T | Temporary Substitute |

The valid domain values for this element are as follows:

| | | | | |
|---|--|---|---|---|
| 0108 | specification-document-subsidiary-type-code | C | L | 8 |
| A code which identifies a specific type of specification. (Source of requirements: EIA/IEEE-12207 and MIL-STD-961.) | | | | |

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Definition and Legal Values (if any)
Type Jst Dec Size

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|---|
| ASCSPEC | Associated Specification |
| DTLSPEC | Detail Specification |
| ITEMSPEC | Item Specification as defined in MIL-STD-961D, Appx A, or comparable commercial or non-U.S. documents |
| MATSPEC | Material Specification as defined in MIL-STD-961D or comparable commercial or non-U.S. document |
| MFRSPEC | Manufacturer's Specification as defined by best commercial practices |
| OTHER | Other specifications not otherwise defined |
| PRFMSPEC | Performance Specification |
| PROCSPEC | Process Specification as defined in MIL-STD-961D or comparable commercial or non-U.S. document |
| SYSSPEC | System Specification as defined in MIL-STD-961D, Appx A, or comparable commercial or non-US documents |

0109 **contract-document-line-item-description-text** C L 160

The text of a short narrative description about the contract line item.

0110 **document-sheet-total-quantity** I R 4

The total quantity or number of sheets in the drawing document. (Source of requirements: MIL-STD-100.)

0112 **document-sheet-size-code** C L 4

The sheet size code which represents and/or denotes the particular size of a document or sheet when printed or plotted. (Source of requirements: ASME Y14.1, ASME Y14.1M, MIL-STD-100.)

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|-----------------------------|
| A | 8.5 X 11.0 or 11.0 x 8.5 in |
| A0 | 841 x 1189 mm |
| A0x2 | 1189 x 1682 mm |
| A0x3 | 1189 x 2523 mm |
| A1 | 594 x 841 mm |
| A1x3 | 841 x 1783 mm |
| A1x4 | 841 x 2378 mm |
| A2 | 420 x 594 mm |
| A2x3 | 594 x 1261 mm |
| A2x4 | 594 x 1682 mm |
| A2x5 | 594 x 2102 mm |
| A3 | 297 x 420 mm |
| A3x3 | 420 x 891 mm |
| A3x4 | 420 x 1189 mm |
| A3x5 | 420 x 1486 mm |
| A3x6 | 420 x 1783 mm |
| A3x7 | 420 x 2080 mm |
| A4 | 210 x 297 mm |
| A4x3 | 297 x 630 mm |
| A4x4 | 297 x 841 mm |
| A4x5 | 297 x 1051 mm |
| A4x6 | 297 x 1261 mm |

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| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|------|---|---|-----|-----|------------------------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | A4x7 | | | | 297 x 1471 mm |
| | A4x8 | | | | 297 x 1682 mm |
| | A4x9 | | | | 297 x 1892 mm |
| | B | | | | 11.0 x 17.0 in |
| | C | | | | 17.0 x 22.0 in |
| | D | | | | 22.0 x 34.0 in |
| | E | | | | 34.0 x 44.0 in |
| | F | | | | 28.0 x 40.0 in |
| | G | | | | 11.0 x (22.5-90.0) in |
| | H | | | | 28.0 x (44.0-143.0) in |
| | J | | | | 34.0 x (55.0-176.0) in |
| | K | | | | 40.0 x (55.0-143.0) in |
| 0113 | part-product-name | C | L | | 60 |
| | The name given to a product part, both hardware and software. (Source of requirements: DLA H-6, AFR 82-1, AR 70-50, MIL-STD-1464(AR), MIL-STD-1661(OS), MIL-STD-1812, MIL-STD-196.) (This is equivalent to MIL-PRF-49506 DED 0480.) | | | | |
| 0114 | part-product-unit-weight | FX | R | 1 | 5 |
| | The weight of a completed unit or assembly expressed as a whole number. Required only for items for which weight and balance are critical to the application of the product. (Source of requirements: ANSI Y14.34M.) | | | | |
| | part-unit-weight | | | | |
| | The weight of a completed unit or assembly expressed as a whole number. Required only for items for which weight and balance are critical to the application of the part. (Source of requirements: ASME Y14.34M.) | | | | |
| 0115 | configuration-item-product-type-code | C | F | | 1 |
| | A code which designates whether a particular configuration item is a hardware CI or a software CI. | | | | |
| | The valid domain values for this element are as follows: | | | | |
| | <u>Domain Value</u> | <u>Meaning</u> | | | |
| | C | Computer Software Configuration Item (CSCI) | | | |
| | H | Hardware Configuration Item (HWCI) | | | |
| 0116 | product-national-stock-description-text | C | L | | 160 |
| | The description of the national stock number part as contained in the NSN catalog. | | | | |
| 0117 | document-company-proprietary-data-rights-text | C | L | | 160 |
| | The text of the contractor's proprietary rights statement and use restrictions related to the document or data as required by DFAR 52.227-7013. (Source of requirements: DFAR 52.227-7013.) | | | | |
| 0118 | document-field-text | C | L | | 999 |
| | The text that discusses the particular topic area associated with the field on a document. | | | | |
| | document-change-proposal-disapproval-consequences-field-text | | | | |
| | The text which discusses the consequences of disapproval of the proposed change. | | | | |
| | document-proposed-change-activation-effect-field-text | | | | |
| | The text which discusses the effect of the proposed change on the product activation schedule in quantitative terms. | | | | |
| | document-proposed-change-aircraft-weight-balance-stability-effect-field-text | | | | |
| | The text which discusses the effect of the proposed change on the aircraft weight, balance and/or stability. | | | | |

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document-proposed-change-alternate-solutions-field-text

The text which provides a summary of the various alternative solutions considered, including the use of revised operation or maintenance procedures, revised inspection or servicing requirements, revised part replacement schedules, and an analysis of the alternatives, identifying the advantages and disadvantages inherent in each feasible alternative approach, and the reason for adopting the alternative proposed by the change.

document-proposed-change-contract-maintenance-effect-field-text

The text which discusses the effect of the proposed change on the scope or cost of contract maintenance specified in the contract.

document-proposed-change-contractor-field-service-effect-field-text

The text which concerns the effect of the proposed change on contractor field service. For each of the applicable maintenance levels, include the amount of work which must be programmed for various activities to install retrofit kits, test retrofit installation, and test the retrofitted system. Estimate work hours to install retrofit kits when weapon system is undergoing overhaul.

document-proposed-change-critical-single-point-failure-item-effect-field-text

The text which discusses the effect of the proposed change on the scope or cost of contract maintenance specified in the contract.

document-proposed-change-developmental-program-requirements-field-text

The text which discusses the effect of the proposed change on the developmental program, as follows:

- (1) For CIs, when the proposed engineering change requires a major revision of the development program (for example, new prototypes, additional design review activity, tests to be re-accomplished), the nature of the new development program should be described in detail, including the status of programs already begun. If some already-accomplished work will have to be re-accomplished, the rationale for re-accomplishing the work should be included.
- (2) For CSCIs, the performing activity should identify the scheduled sequence of computer software design and test activities that will be required. ECPs initiated after preliminary design which affect the FBL and/or the ABL should identify, as appropriate, significant requirements for computer software redesign, recoding, repetition of testing, changes to the software engineering/test environments, special installation, adaptation, checkout, and live environment testing. In addition, the specific impact of these factors on approved schedules should be identified. The impact of the software change on the hardware design and input/output cabling should also be detailed.
- (3) When applicable, the performing activity should make recommendations as to the additional tests, trials, installations, prototypes, fit checks, which will be required to substantiate the proposed engineering change. These recommendations should include the test objective and test vehicle(s) to be used.

document-proposed-change-effect-field-text

The text which discusses the effect of the proposed change on the particular area affected.

document-proposed-change-electromagnetic-interference-effect-field-text

The text which discusses the effect of the proposed change on the product susceptibility to electromagnetic interference in quantitative terms.

document-proposed-change-facilities-effect-field-text

The text which discusses the effect of the proposed change on facilities, including revise or new facilities requirements and site activation plans.

document-proposed-change-government-furnished-equipment-effect-field-text

The text which discusses the effect of the proposed change on Government furnished equipment, materiel, or data.

document-proposed-change-interim-support-programs-effect-field-text

APPENDIX C

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The text which discusses the effect of the proposed change on critical single point failure items in quantitative terms.

document-proposed-change-interoperability-effect-field-text

The text which discusses the effect of the proposed change on product interoperability in quantitative terms.

document-proposed-change-life-cycle-cost-effect-field-text

The text which discusses the effect of the proposed change on product life-cycle cost projections for the configuration item or program, including projections of operation and support costs/savings for the item(s) affected over the contractually defined life and projections of the costs/savings to be realized in planned future production and spares buys of the item(s) affected.

document-proposed-change-logistics-support-effect-field-text

The text which discusses the effect of the proposed change on all aspects of logistics support.

document-proposed-change-logistics-support-plan-effect-field-text

The text which discusses the effect of the proposed change on the schedule and content of the logistics support plan.

document-proposed-change-maintainability-effect-field-text

The text which discusses the effect of the proposed change on product maintainability.

document-proposed-change-maintenance-concept-effect-field-text

The text which discusses the effect of the proposed change on the product activation schedule in quantitative terms.

document-proposed-change-maintenance-training-effect-field-text

The text which discusses the effect of the proposed change on maintenance training requirements, including new maintenance training courses in terms of training equipment, training personnel, and training software for maintenance courses. This information should include identification of specific courses, equipment, technical manuals, personnel, required to set up the course at either the contractor or Government facility.

document-proposed-change-nomenclature-effect-field-text

The text which discusses the effect of the proposed change on product (configuration item) nomenclature.

document-proposed-change-operating-procedure-effect-field-text

The text which discusses the effect of the proposed change on operating procedures.

document-proposed-change-operator-training-effect-field-text

The text which discusses the effect of the proposed change on operator training requirements, including new operator training courses in terms of training equipment, training personnel, and training software for operator courses. This information should include identification of specific courses, equipment, technical manuals, personnel, required to set up the course at either the contractor or Government facility.

document-proposed-change-other-software-effect-field-text

The text which discusses the effect of the proposed change on computer programs and related resources (other than operational, maintenance, and training software [for example: acceptance test software, software development tools]) including changes to existing code and/or resources, or the addition of new software.

document-proposed-change-packaging-handling-storage-transport-effect-field-text

The text which discusses the effect of the proposed change on the aircraft weight, balance and/or stability.

document-proposed-change-parts-control-effect-field-text

The text which discusses the effect of the proposed change on the parts control program.

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document-proposed-change-performance-effect-field-text

The text which discusses the effect of the proposed change on product performance.

document-proposed-change-personnel-effect-field-text

The text which discusses the effect of the proposed change on personnel requirements, including additions or deletions to operator or maintenance manpower in terms of personnel skill levels, knowledge, and numbers required to support the CI as modified by the change.

document-proposed-change-reliability-effect-field-text

The text which discusses the effect of the proposed change on product reliability in quantitative terms.

document-proposed-change-retrofit-recommendations-field-text

The text which discusses the recommendations for retrofit of the engineering change into accepted items with substantiating data, any currently in use/operational implications thereto, and a brief description of the action required. If retrofit kit(s) will be required, describe the kit contents and provide the estimated kit delivery schedule by quantity and date. When special tooling and test equipment is required for tasking activity use, include the dates of availability of tools, jigs, and test equipment required in conjunction with the kits to accomplish the change. When retrofit is not recommended into already accepted items, and explanation of this determination should be provided instead.

document-proposed-change-rework-other-equipment-effect-field-text

The text which provides a summary of the various alternative solutions considered, including the use of revised operation or maintenance procedures, revised inspection or servicing requirements, revised part replacement schedules, and an analysis of the alternatives, identifying the advantages and disadvantages inherent in each feasible alternative approach, and the reason for adopting the alternative proposed by the change.

document-proposed-change-safety-effect-field-text

The text which discusses the effect of the proposed change on safety in quantitative terms.

document-proposed-change-service-life-effect-field-text

The text which discusses the effect of the proposed change on product service life in quantitative terms.

document-proposed-change-software-effect-field-text

The text which discusses the effect of the proposed change on operational, maintenance, and training software and related resources, including changes to database parameters or values, changes to database management procedures, anticipated effects of the change on acceptable information system in-use operating time and cycle-time, an estimate of the net effect on computer software storage, and an explanation of any other relevant impact of the proposed change on use of the system.

document-proposed-change-spare-repair-parts-effect-field-text

The text which discusses the effect of the proposed change on spare and/or repair parts, including added, changed, modified, or obsolete requirements.

document-proposed-change-support-equipment-effect-field-text

The text which discusses the effect of the proposed change on support equipment, including test procedures and software, and identifies revised, additional or obsolete items.

document-proposed-change-survivability-effect-field-text

The text which discusses the corrective action taken to prevent recurrence of the problem which necessitated the request for deviation.

document-proposed-change-system-test-procedure-effect-field-text

The text which discusses the effect of the proposed change on the aircraft weight, balance and/or stability.

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| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|------|--|---|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | document-proposed-change-technical-manual-effect-field-text | | | | |
| | The text which discusses the effect of the proposed change on technical manuals, including the identification of required new manuals. | | | | |
| | document-proposed-change-unusual-effect-description-field-text | | | | |
| | The text which provides the detailed description of one or more impacts of the engineering change proposal which are not otherwise addressed within the ECP. | | | | |
| | document-proposed-change-warranty-effect-field-text | | | | |
| | The text which discusses the effect of the proposed change on product warranties or guarantees. | | | | |
| | document-proposed-change-weight-moment-inertia-effect-field-text | | | | |
| | The text which discusses the effect of the proposed change on equipment weight or moment of inertia (excluding aircraft). | | | | |
| | document-recurring-deviation-request-corrective-action-taken-field-text | | | | |
| | The text which provides rationale as to why the recurrence of this problem was not prevented by the previous corrective action(s). | | | | |
| | document-specific-proposed-changes-field-text | | | | |
| | The text which provides the detailed description of changes being proposed to a document. Typically this is done by means of 'From/To', 'As-is/To be' or similar descriptions, or by use of the 'redline & strike-out' capability of most word processing applications. This description should be stated in text or graphics in specific terms, including references to any attached marked-up documents. Current and proposed new conditions should be included. | | | | |
| 0120 | contract-document-revision-identifier | C | L | | 6 |
| | The revision identifier used to indicate an agreed upon and approved change or modification to the contract document. (Source of requirements DFAR 204.7004.) | | | | |
| 0121 | engineering-change-proposal-document-part-level-code | YN | F | | 1 |
| | The part level code which represents and/or denotes whether the part number is the 'lowest level' part addressed by the ECP. | | | | |
| 0122 | part-model-subsidary-type-code | C | L | | 8 |
| | A code which denotes or represents the type representation of digital part model. | | | | |
| | The valid domain values for this element are as follows: | | | | |
| | <u>Domain Value</u> | <u>Meaning</u> | | | |
| | BREPSOLD | Boundary Representation of Solids | | | |
| | BREPSURF | Boundary Representation of Surfaces | | | |
| | CSG | Constructive Solid Geometry | | | |
| | FEATURE | Geometric Feature and Parametric Based Models | | | |
| | FEM | Finite Element Models | | | |
| | OTHER | Part Model types not otherwise defined | | | |
| | TESSURF | Tessellated Surface Models | | | |
| | WIREMESH | Wire Mesh | | | |
| 0123 | product-identification-type-code | C | F | | 3 |
| | A code which denotes or represents whether a product is identified by a name or number. | | | | |
| | The valid domain values for this element are as follows: | | | | |

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| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
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| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|----------------|
| NAM | Name |
| NUM | Number |

- 0124 **hardware-software-drawings-subsidiary-type-code** C L 8
 A code which identifies the specific type of drawing (DWG), prepared in accordance with ASME Y.14 or similar standard for drawings which contain hardware and software' design information.

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|--|
| ALTIDWG | Altered Item Drawing |
| ARTMSTR | Artwork master |
| ARTWK | Artwork |
| BRDASSY | Board Assembly drawing |
| CABDWG | Cable Assembly Drawing |
| CONDWG | Contour Definition Drawing |
| INSTDWG | Installation drawing |
| KITDWG | Kit Drawing |
| LAYOUT | Layout drawing |
| MODDWG | Modification Drawing |
| MSTRDWG | Master drawing |
| MSTRPTRN | Master Pattern drawing |
| MTSDWG | Matched Set Drawing |
| OTHERHS | Hardware-Software Drawing, not otherwise defined |
| PRDMSTR | Production Master |
| SELIDWG | Selected Item drawing |
| SWINST | Software Installation drawing |
| TUBDWG | Tube Bending Drawing |
| UNDDWG | Undimensioned Drawings |
| WRHDWG | Wiring Harness drawing |

- 0125 **deviation-request-document-defect-severity-classification-code** C F 2
 A classification code to indicate the severity class and defect classification for the request for deviation.

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|--|
| CR | Critical. A departure from the approved configuration documentation that has been included in the contract or statement of work by the tasking activity and which involves safety, or the configuration documentation defining the requirements for the item classifies defects in requirements and the departure is from a requirement which is classified as critical. |
| MA | Major. A departure from the approved configuration documentation that has been included in the contract or statement of work by the tasking activity and which involves: health, performance, interchangeability, reliability, survivability, maintainability or durability, of the item or its repair parts; effective use or operation; weight; or appearance (when a factor); or when the configuration documentation defining the requirements for the item classifies defects in requirements and the departure is from a requirement which is classified as major. |
| MR | Minor. A departure from the approved configuration documentation that has been included in |

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| | <u>Definition and Legal Values (if any)</u> | | | | |
| | the contract or statement of work by the tasking activity and which does not involve the factors listed for major or critical, or when the configuration documentation defining the requirements for the item classifies defects in requirements and the departure is from a requirement | | | | |
| 0126 | deviation-request-document-description-text | C | L | | 999 |
| | The summary description of the proposed departure from the technical requirements of the configuration documentation that is being requested by the Request for Deviation. This should include the identification of the configuration documentation which contains the relevant technical requirements from which the deviation is being requested. | | | | |
| 0127 | deviation-request-document-justification-text | C | L | | 999 |
| | The summary description of the nature of the proposed departure from the technical requirements of the configuration documentation. Include an explanation why it is impossible or unreasonable to comply with the configuration documentation within the specified delivery schedule. Also include why a deviation is proposed in lieu of a permanent design change. | | | | |
| 0128 | application-activity-program-government-lead-indicator-code | YN | | | 1 |
| | A code that indicates whether a government agency or activity is the lead Government agency for procurement of an item described by a particular design document, or is the lead agency for Government discourse with the current document change authority for a document for which the Government is not the current document change authority. | | | | |
| 0129 | interface-configuration-item-product-affected-code | YN | F | | 1 |
| | A code to indicate whether there is an interface effect with other systems or configuration items as a result of the engineering change proposal or request for deviation for the item covered by the ECP. | | | | |
| 0130 | deviation-request-document-corrective-action-taken-text | C | L | | 999 |
| | A summary text description of the action(s) taken to prevent recurrence of the problem which necessitated the need for the request for deviation. | | | | |
| 0131 | deviation-request-document-delivery-schedule-effect-text | C | L | | 999 |
| | The text description of the effects on the contract delivery schedule that will result from both approval and disapproval of the request for deviation. | | | | |
| 0132 | deviation-request-document-price-effect-estimate-amount | FX | R | 2 | 8 |
| | The dollar amount which is an estimate of the reduction or price adjustment resulting from approval of the request for deviation. | | | | |
| 0133 | deviation-request-document-recurring-request-code | YN | | | 1 |
| | The code that denotes or represents whether or not a request for deviation addresses a recurring problem which has been previously addressed by a request for deviation. | | | | |
| 0134 | entity-address-identifier | C | L | | 60 |
| | The identifier of one form of location address for communicating with a person or enterprise. | | | | |
| | entity-electronic-mail-address-identifier | | | | |
| | An arbitrary set of characters used within computer communication systems as the unique identification of a person or enterprise for the purpose of exchanging electronic mail. Limited to letters, numbers, decimals (.), dashes(-), at (@), underscore(_), and percent (%). | | | | |
| | entity-electronic-web-address-identifier | | | | |
| | An address to which a person or organization may be located on the World Wide Web. | | | | |
| | entity-surrogate-shipping-address-identifier | | | | |
| | An arbitrary set of characters used within a computer system as a surrogate to represent a specific shipping | | | | |

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| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |

and/or mailing address of a person or enterprise.

entity-telephone-address-identifier

The telephone number (facsimile, modem, pager, or voice) of a person or enterprise. In the format of country code-number-extension. In the U.S., the number is in the format xxx-yyy-zzzz where xxx is the area code, yyy is the exchange, and zzzz is the local number. Other number formats may be used with other country codes. The country code is optional for systems which can only be accessed within a country. The extension is always optional. Limited to uppercase letters (except Q and Z), numbers, and dashes (-).

entity-telex-address-identifier

The number at which telex messages can be received by a person or enterprise.

| | | | | | |
|------|--|---|---|--|---|
| 0135 | general-document-subsidiary-type-code | C | L | | 8 |
| | A code which denotes or represents the type of a General document. | | | | |

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|---|
| MSDS | Hazardous Components/Safety Data Sheets |
| OTHER | General documents not otherwise defined |
| PKG | Packaging Data Sheets/Special Packaging Instruction |
| QAP | Quality Assurance Provisions |
| STIE | Special Test/Inspection Equipment |

| | | | | | |
|------|---|---|---|--|-----|
| 0136 | process-action-item-title-name | C | L | | 120 |
| | The name or title of an audit-, ECP implementation-, or RFD implementation-action item. | | | | |

| | | | | | |
|------|---|----|--|--|---|
| 0137 | allocated-baseline-top--level-document-indicator-code | YN | | | 1 |
| | The code which represents or denotes whether the program-unique specification is the top-level document which defines the allocated baseline of a configuration item. | | | | |

| | | | | | |
|------|---|----|--|--|---|
| 0138 | functional-baseline-top--level-document-indicator-code | YN | | | 1 |
| | The code which represents or denotes whether a program-unique specification is the top-level document which defines the functional baseline for a system. | | | | |

| | | | | | |
|------|---|---|---|--|---|
| 0139 | data-product-delivery-method-code | C | F | | 2 |
| | A code which represents and/or denotes the type of medium by which a contract data requirements list item is delivered to the tasking activity. | | | | |

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|-----------------------------|
| AC | Aperture card |
| AT | Audio tape |
| ET | Electronic transmittal |
| FM | Film |
| HC | Paper, hard copy manuscript |
| IA | Interactive host access |
| MD | Magnetic disk, diskette |
| MF | Microfilm |
| MT | Magnetic tape |
| OS | Optical storage device |
| PT | Punch tape |

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| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
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| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | VT Video tape | | | | |
| | XX Other | | | | |
| 0141 | modification-instruction-document-subsidiary-type-code A code which denotes the type of modification instruction. | C | L | | 7 |
| The valid domain values for this element are as follows: | | | | | |
| | <u>Domain Value</u> | | | | <u>Meaning</u> |
| | FLDCHG | | | | Field Change Bulletin as described in MIL-STD-2039 |
| | MACHALT | | | | Machinery Alteration Instruction as described in DOD-STD-2140 |
| | MWO | | | | Modification Work Order |
| | NUCALT | | | | Nuclear Alteration Instruction |
| | ORDALT | | | | Ordnance Alteration Instruction as described in MIL-STD-1662 |
| | RAC | | | | Rapid Action Change Order |
| | SHIPALT | | | | Ship Alteration Instruction |
| | TCTO | | | | Time-compliance Technical Order |
| | TECHDIR | | | | Technical Directive |
| 0143 | document-format-compliance-indicator-code A code which denotes or indicates whether or not a document is required to comply with U.S. DoD rules on identification. | C | F | | 1 |
| The valid domain values for this element are as follows: | | | | | |
| | <u>Domain Value</u> | | | | <u>Meaning</u> |
| | C | | | | Must comply with best commercial practices |
| | D | | | | Must comply with DoD practices |
| 0144 | contract-document-line-item-quantity The quantity of the item to be delivered under the contract line item. (This is equivalent to MIL-PRF-49506 DED 0990.) | I | R | | 7 |
| 0146 | shipping-document-dollar-amount The dollar value of the product being delivered in this shipment. (Source of requirements: DD FORM 250.) | FX | R | 2 | 18 |
| 0147 | shipping-document-shipped-item-description-text The narrative description of the item(s) being shipped via the DD Form 250. | C | L | | 180 |
| 0148 | shipping-document-shipped-item-quantity The quantity of items shipped via the DD Form 250. (This is equivalent to MIL-PRF-49506 DED 1000.) | I | L | | 6 |
| 0150 | contract-data-submittal-document-submittal-type-code The submittal type code which represents and/or denotes whether the contractually required data is being submitted as a draft or final submittal. (Note: if there is a draft submittal, the final submittal shall be a higher revision level than the draft.) | C | F | | 1 |
| The valid domain values for this element are as follows: | | | | | |
| | <u>Domain Value</u> | | | | <u>Meaning</u> |
| | D | | | | Draft |
| | F | | | | Final |

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| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|------|--|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| 0151 | program-configuration-control-board-name The name which identifies a particular configuration control board (CCB) for a particular program (project or system) within a particular enterprise. Must be a printable ASCII character. | C | L | | 30 |
| | program-higher-level-configuration-control-board-name The name which identifies the next higher level configuration control board (CCB) for a particular program (project or system) within a particular enterprise. Must be a printable ASCII character. | | | | |
| 0153 | contract-data-submittal-document-remark-text The text of the remarks pertaining to the requirements for the specific submittal. | C | L | | 160 |
| 0154 | human-responsibility-description-text The freeform text narrative which describes the area of expertise and responsibility of a person. | C | L | | 160 |
| 0155 | document-security-classification-authority-text The text of the name for the original classification authority, the contract number, classification guide identification or other authority (including the term 'multiple sources'), which directs that a document be assigned a classification other than 'Unclassified'. (Source of requirements: DOD 5220.22-M, DODD 5200.1-R.) | C | L | | 60 |
| 0156 | process-event-name The name of a unique contractual event, for example, Critical Design Review, First Flight Test. | C | L | | 60 |
| | document-security-classification-downgrade-process-event-name The name of the event which, upon occurrence, will authorize the reclassification of classified material to a lower classification level; for example, from secret to confidential. | | | | |
| | document-security-declassification-process-event-name The name of the event which, upon occurrence, will authorize the declassification of classified material. | | | | |
| 0157 | document-security-access-restriction-text The text of the actual security access restriction. In some cases, specific text is required by law. (Source of requirements: DOD 5220.22-M, DOD 5200.1-R.) | C | L | | 200 |
| 0158 | document-quantity The quantity of copies of a document. | I | R | | 2 |
| 0159 | contract-data-submittal-document-resubmittal-code A code which represents and/or denotes whether or not a revised submittal of a contract data item is required. | YN | | | 1 |
| 0160 | {}-time The specific chronological point that designates the occurrence (in the past, present, or future) that a specific event occurred or will occur. Expressed as hhmmssZ using a 24-hour clock where hh is hours (00-24, where 24 = 00), mm is minutes (00-60, where 60 = 00), and ss is seconds (00-60, where 60 = 00), and 'Z' is the time zone designator 'Z' based on Universal Coordinated Time (UTC). All times will be stored as UTC, thus 'Z' is a constant. All time fields are paired with date fields. The hours, minutes, and seconds of the time field are all optional, but all have a default value in order to define when a specific event occurred or will occur. If the seconds are not specified, it will assume the value corresponding to the value for the end of the minute provided. If minutes are not specified, it will assume the value for the end of the hour provided. If hours are not specified, it will assume the value for the end of the day provided. (Source of requirements: ISO 8601.) | I | F | | 6 |
| | agreement-effective-time The time at which the contract, contract modification, supplemental agreement, or similar directive was officially in effect. The type of agreement is listed under the agreement-name, DED 0071. | | | | |

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Definition and Legal Values (if any)
Type Jst Dec Size

audit-process-action-item-disposition-status-time

The 'as-of' time for reporting the current status of an action taken on an audit action item. The type of action taken is listed in process-disposition-status-code, DED 0021

audit-process-time

The start or end (more commonly, the latter) for the actual audit meeting. Normally associated with the FCA and PCA, but can apply to a specific software audit time.

contract-data-requirement-list-document-form-approval-process-disposition-action-status-time

The time which the CDRL form entry or modification was signed indicating that it was approved for use in a contract CDRL.

contract-data-requirement-list-document-form-preparation-process-completion-time

The time the CDRL form entry or modification was prepared for use.

contract-data-requirement-list-document-item-effective-cut--off-time

The time prior to submittal of a contract data item, which data collection for the report is ended.

contract-data-requirement-list-document-item-initial-submittal-due-time

The time that the first submittal of a contract data item is due to the customer.

contract-data-requirement-list-document-item-subsequent-submittal- due-time

The time that the second and subsequent submittal(s) of a contract data item is due to the customer.

contract-data-submittal-document-approval-process-disposition-status-time

The 'as-of' time for reporting the current status of the CDRL item.

contract-data-submittal-document-calendar-due-time

The due time for the submitted data at the recipient customer office(s). Depending upon submittal identifier and submittal revision letter, this is also known as the Time of First Submission, Initial Due Time, Time of Subsequent Submission, or Re-submittal Due Time. If the contract event code and contract event delta are non-blank, the value of this field defaults to the value calculated as described in contract event delta. The delta between this time and the submitted time provides a contractual delivery timeliness metric.

contract-data-submittal-document-customer-final-disposition-suspense-time

The planned time on which the customer will make a final decision on the disposition of the contract data item submittal.

contract-data-submittal-document-customer-technical-review-completion-suspense-time

The planned time for completion of the CDRL submittal review by all technical reviewers.

contract-data-submittal-document-effective-cut--off-time

The time by which initial delivery of a contract data item is due.

contract-data-submittal-document-initial-delivery-calendar-due-time

The time which initial delivery of a contract data item is due.

contract-data-submittal-document-resubmittal-due-time

The submittal due time that is established for a revised data item which is required as a result of disapproval of a submitted data item.

contract-data-submittal-document-subsequent-delivery-calendar-due-time

The time which delivery, other than the initial delivery, of a contract data item is due.

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| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | contract-time | | | | |
| | The time that is used in conjunction with the date that the contract was signed. | | | | |
| | document-copyright-time | | | | |
| | The time that is associated with the copyright date of a document. | | | | |
| | document-revision-generic-time | | | | |
| | The time that is used in conjunction with the date in identifying revisions of documents. | | | | |
| | engineering-change-proposal-contract-administration-change-class-concurrence-time | | | | |
| | The time that Defense Contract Management Command (DCMC) indicates concurrence/non-concurrence in the change classification of an ECP. | | | | |
| | engineering-change-proposal-document-contract-administration-disposition-recommendation-time | | | | |
| | The time on which the defense contract management office recommends approval/disapproval of the ECP. | | | | |
| | engineering-change-proposal-document-preparation-time | | | | |
| | The time the ECP document number and revision identifier were assigned; the time work began on preparation of the ECP. | | | | |
| | deviation-document-disposition-status-time | | | | |
| | The time associated with reporting the current status of action taken on an RFD. | | | | |
| | deviation-implementation-process-action-disposition-status-time | | | | |
| | The 'as-of' time for reporting the current status of disposition action taken on an RFD implementation action item. The type of action is listed in the process-disposition-status-code, DED 0021. | | | | |
| | disposition-process-technical-recommendation-completion-time | | | | |
| | The actual time on which the technical office of primary responsibility completes their review of the submittal revision and recommends a disposition of the final disposition authority. | | | | |
| | document-change-control-authority-effective-time | | | | |
| | The time which an entity becomes the current document change authority for a document. | | | | |
| | document-disposition-status-time | | | | |
| | The time associated with reporting the current status of action taken on a document. | | | | |
| | document-distribution-restriction-determination-time | | | | |
| | The time that document distribution restrictions were determined to be applicable to a specific document. (Source of requirements: DODD 5230.24, DODD 5230.25, DODD 5230.9, Public Law 98-94, Section 1217. | | | | |
| | document-preparation-time | | | | |
| | The time the document number and revision identifier were assigned; the time work began on preparation of the document. | | | | |
| | document-representation-creation-time | | | | |
| | The time that is assigned to document representation (or document representation revision) when it is created. For computer files it is the time assigned by the system in use. | | | | |
| | document-representation-release-process-disposition-status-time | | | | |
| | The time which identifies when the disposition action status was achieved in the process of document representation release by the originating activity. | | | | |

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|-----|---|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |

document-representation-release-process-next-status-suspense-time

The time forecast for achievement of the next status in the document representation release process.

document-revised-sheet-change-incorporation-time

The time which incorporation of an approved change into a specific sheet of a drawing was completed.

document-revision-application-activity-approval-process-disposition-status-time

The time which the document revision achieves a particular status in the application activity approval process.

document-revision-approval-process-disposition-status-time

The time which the document revision achieved a particular status in the document revision approval process.

document-revision-approval-process-next-status-suspense-time

The time forecast for achievement of the next status in the document revision approval process.

document-revision-approval-process-submission-time

The time which the document revision achieved the status of 'SUBMIT' in the approval process.

document-security-classification-downgrade-time

The time that classified material is to be reclassified at a lower classification (for example: reclassified from secret to confidential).

document-security-classification-time

The time the material was classified; if this is a derivative classification by a contractor, the approval/issue time of the DD Form 254 or approval/issue time of the classification guide will be entered.

document-security-declassification-time

The time that classified material is to be declassified.

electronic-document-comment-file-creation-time

The time that a comment file is created, or revised and replaced. For computer files it is the time assigned by the system in use.

electronic-document-file-creation-time

The time that a file is created, or revised and replaced. For computer files it is the time assigned by the system in use.

electronic-document-representation-file-creation-time

The time that a file (which is part of a document representation) is created, or revised and replaced. For computer files it is the time assigned by the system in use.

engineering-change-implementation-process-action-disposition-status-time

The 'as-of' time for reporting the current status of a disposition action taken on an ECP implementation action item. The type of action is listed in the process-disposition-status-code, DED 0021.

engineering-change-proposal-document-contract-administration-change-class-concurrence-time

The time that DCMC indicates concurrence/non-concurrence in the change classification of an ECP.

engineering-change-proposal-document-disposition-status-time

The time associated with reporting the current status of action taken on an ECP.

engineering-change-proposal-document-production-contract-authority-need-time

The time that the performing activity indicates on the ECP as necessary for contractual approval to take place so that the performing activity can incorporate the change in production at the effectivity specified in the ECP.

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| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|-----|---|-------|-------|-------|-------|
| | <u>Definition and Legal Values (if any)</u> | _____ | _____ | _____ | _____ |
| | engineering-change-proposal-document-retrofit-contract-authority-need-time | | | | |
| | The need time the performing activity specifies on the ECP form as necessary for contractual approval to maintain the estimated retrofit effectiveness specified in the ECP. | | | | |
| | engineering-change-proposal-document-revision-approval-process-approval-disposition-status-time | | | | |
| | The time which an ECP achieved the status of 'approved' in the document approval process. | | | | |
| | material-product-design-release-time | | | | |
| | The time that the design activity releases the material design for use. | | | | |
| | modification-instruction-document-effective-time | | | | |
| | The time which the modification instruction becomes effective for use. | | | | |
| | modification-instruction-document-issue-time | | | | |
| | The issue time of a modification instruction such as the Time Compliance Technical Order, the Technical Directive, the Modification Work Order or a Rapid Action Change document. | | | | |
| | modification-instruction-document-rescission-time | | | | |
| | The time when it is anticipated that the modification instruction will have been completely incorporated, included in applicable documents, and otherwise served its purpose. | | | | |
| | part-product-release-time | | | | |
| | The time that the design activity releases the part design for use. | | | | |
| | process-event-end-time | | | | |
| | The end time of a unique contractual event. Particular events are identified in the process-event-code, DED 0018. | | | | |
| | process-event-start-time | | | | |
| | The start time of a unique contractual event. Particular events are identified in the process-event-code, DED 0018. | | | | |
| | product-assembly-status-time | | | | |
| | The time at which a component part/material was installed in (or uninstalled from) the product assembly. | | | | |
| | product-manufacture-time | | | | |
| | The time that an item, or lot of items, was manufactured. | | | | |
| | product-royalty-expiration-time | | | | |
| | The expiration time of the royalty. | | | | |
| | product-shipping-time | | | | |
| | The time an item was shipped. | | | | |
| | program-configuration-control-board-decision-time | | | | |
| | The time which the CCB decides on the disposition of an ECP or RFD and issues the results and directions for implementation, if applicable. | | | | |
| | revision-notice-document-revision-approval-process-approved-disposition-status-time | | | | |
| | The time which the NOR achieved the status of 'approved' in the document approval process. | | | | |
| | revision-notice-document-revision-approval-process-disposition-status-time | | | | |
| | The time associated with reporting the current status of action taken on a NOR. | | | | |

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|------|--|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | shipping-document-process-disposition-status-time | | | | |
| | The time which the shipping document achieved a particular status in the shipping document disposition process. | | | | |
| | technical-document-government-data-rights-expiration-time | | | | |
| | The expiration time on government rights to technical data for a particular document, data or computer software. | | | | |
| | technical-manual-document-revision-issue-time | | | | |
| | The time which a technical manual, or revised technical manual, was officially issued for use. This is the document time. | | | | |
| | technical-manual-document-supplement-set-effective-time | | | | |
| | The time that a particular set of supplements to a technical manual are all current. A new set time is established each time a supplement is issued or cancelled. | | | | |
| 0161 | contract-data-submittal-document-effective-cut--off-event-delta-text | S | | | 11 |
| | Text indicating the date that data collection for a document is to stop for a specific data submittal. The date is expressed as a period of time before or after a specific event. | | | | |
| 0162 | supplement-document-type-code | C | L | | 8 |
| | A code which denotes or represents the type of a supplemental document. (Source of requirements: MIL-M-38784, MIL-STD-490, MIL-STD-961, MIL-STD-962.) | | | | |

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|---|
| AMEND | Amendment to a specification/standard |
| APPEND | Appendix to a specification or standard |
| NOTICE | Notice to a specification/standard |
| OPSUP | Operational Supplement |
| OTHER | Supplements not otherwise defined |
| SAFSUP | Safety supplement |
| SPECSUP | Supplement to a specification |
| TMRSUP | Technical manual routine supplement |
| TOSUP | Technical Order page supplement (TOPS) |

| | | | | | |
|------|--|---|---|--|---|
| 0163 | software-product-identification-paradigm-type-code | C | F | | 1 |
| | The code that represents and/or denotes the type of paradigm used for software identification. | | | | |

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|--|
| D | Dash Number Paradigm. The software is identified by an alphanumeric root identifier followed by a hyphen and an alphanumeric suffix. All versions of software with the same root and suffix are interchangeable. |
| P | Part Number Paradigm. Software is identified by an alphanumeric drawing identifier. Each release of software is identified by a different part identification number defined on the same drawing. Interchangeability follows hardware part interchangeability rules. |
| R | Release Paradigm. Software is identified by a name or alphanumeric identifier and each release is identified by an alphanumeric release identifier. This method identifies chronological change, but does not address interchangeability. The determination of interchangeability is left to the user of the software. |

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| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |

| | | | | | |
|--|---|---|---|--|---|
| 0164 | engineering-change-proposal-document-change-class-code | C | R | | 2 |
| The change classification code which represents and/or denotes whether the change described by the ECP is classified as a Class I or Class II change. ECPs are classified as Major (Class I) or Minor (Class II) in accordance with criteria in ANSI/EIA 649, 5.3.1.2, and DED 0164. Major ECPs are further categorized herein as Message, Preliminary, and Final; depending upon the amount of detailed information required. MIL-HDBK-61, 4.2; and DED 0194; provide the criteria applicable to each classification and subcategory. | | | | | |

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|---|
| I | Class I (Major change). An ECP proposing a change to approved configuration documentation for which the tasking activity is the Current Document Change Authority (CDCA) or that has been included in the contract or statement of work by the tasking activity and either (1) affects any physical or functional requirement in approved functional or allocated configuration documentation, or (2) affects any approved functional, allocated, or product configuration documentation and cost (including incentives and fees), warranties, deliveries, or contract milestones, or (3) affects approved product configuration documentation, which in turn affects the approved functional and/or allocated configuration documentation as described under (1) or (2) above, or will impact one or more of the following: (a) Government Furnished Equipment, (b) safety, (c) compatibility, interoperability (with interfacing items, support equipment or software, spares, trainers or training devices/equipment/software), or logistics support, (d) delivered technical, operations, or maintenance manuals for which changes are not funded, (e) will require retrofit of delivered units, (f) preset adjustments or schedules affecting operating limits or performance to the extent that a new identification number is required, (g) interchangeability, substitutability or replaceability of any item down to non-repairable subassemblies, (h) sources on a source control drawing, (i) skills, manning, training, biomedical factors or human engineering design. |
| II | Class II (Minor change). An ECP proposing a change to approved configuration documentation for which the tasking activity is the CDCA or that has been included in the contract or statement of work by the tasking activity and which is not Class I. |

| | | | | | |
|--|--|---|---|--|---|
| 0165 | engineering-change-proposal-document-justification-code | C | F | | 1 |
| The justification code which represents and/or denotes the justification or reason for the preparation of the engineering change described by the ECP. | | | | | |

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|---|
| B | Interface. The engineering change proposes to eliminate incompatibility between interfacing CIs. |
| C | Compatibility. The engineering change proposes to correct a deficiency with the following characteristics: (1) The need for the change has been discovered during the system or item functional checks or during installation and checkout and is necessary to make the system or item work. (2) The effort required to accomplish the change is considered to be within the scope of the existing contract except for changes caused by the tasking activity. (3) The contract change documentation implementing the engineering change will not reflect an increase in contract price for the corrective action for the items in production and/or for already delivered items. Use of Class I Message or Preliminary ECPs is appropriate for initially documenting proposed changes that meet all of the above criteria. |
| D | Deficiency. The engineering change is required to eliminate a deficiency for which there is not a more descriptive code. |
| O | Operational or Logistics Support. The engineering change proposes to make a significant |

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| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| P | effectiveness change in operational capabilities or logistics support. Production Stoppage. The engineering change is required to prevent slippage in an approved production schedule. This code applies when production to the current configuration documentation either is impracticable or cannot be accomplished without delay. | | | | |
| R | Cost Reduction. The engineering change proposes to provide a net total life cycle cost savings to the Government, but which is not being submitted pursuant to the Value Engineering clause of the contract. The savings in life cycle cost should include all effects on cost and price for the effort and requirements covered by the contract(s) currently in effect for this contractor, plus the costs resulting from necessary associated changes in delivered items and logistics support. | | | | |
| S | Safety. The engineering change proposes to correct a deficiency and thus, to eliminate a hazardous condition. When this code is assigned, a system hazard analysis (per MIL-STD-882 or equivalent) is included with the ECP. | | | | |
| V | Value Engineering. The engineering change proposes a change which will result in a net life cycle cost reduction and which is submitted pursuant to the Value Engineering clause of the contract. | | | | |
| 0166 | engineering-change-proposal-document-priority-code | C | F | | 1 |
| | The priority code which represents and/or denotes the precedence of engineering change processing and approval. | | | | |
| | The valid domain values for this element are as follows: | | | | |
| | <u>Domain Value</u> | | | | <u>Meaning</u> |
| | E | | | | Emergency. To preclude serious compromise to national security, serious injury or costly damage to equipments. The presence of 'E' on a Class I Message or Preliminary ECP indicates a degree of exigency is normally associated with the preparation of the follow-up Preliminary or Final ECP documentation, whichever may be appropriate. |
| | R | | | | Routine. Other than emergency or urgent. |
| | U | | | | Urgent. Expeditious action to minimize undesirable impact. The presence of 'U' on a Class I Message or Preliminary ECP indicates a degree of exigency is normally associated with the preparation of the follow-up Preliminary or Final ECP documentation, whichever may be appropriate. |
| 0167 | standard-document-subsidiary-type-code | C | L | | 8 |
| | A code identifying the specific type of standard. (Source of requirements: DoD-STD-962.) | | | | |
| | The valid domain values for this element are as follows: | | | | |
| | <u>Domain Value</u> | | | | <u>Meaning</u> |
| | DSGNSTD | | | | Design Criteria Standard |
| | INTFCSTD | | | | Interface Standard |
| | MFGSTD | | | | Manufacturing Process Standard |
| | OTHER | | | | Standard documents not otherwise defined |
| | PRACSTD | | | | Standard Practices |
| | TESTSTD | | | | Test Method Standard |
| 0168 | program-configuration-control-board-discussion-text | C | L | | 9 |
| | A free-form narrative text which captures the discussion of the CCB concerning a particular document being considered by the CCB. In essence, this is the minutes of the CCB for a particular agenda item. | | | | |
| 0169 | software-product-united-states-air-force---assigned-receiving-country-place-code | C | F | | 2 |

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| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | <p>The code which is assigned to represent the non-U.S. country for which a Computer Software Configuration Item (CSCI) has been developed or to which a CSCI has been sold. Valid codes are found in Military Assistance Sales Manual, DOD 5105.38-M, Part I, Appendix A-9. (Source of requirements: USAF TO 00-5-16, USAF TO 00-5-17.)</p> | | | | |
| 0170 | enterprise-name The name of a company, organization or agency. | C | L | | 30 |
| | <p>commercial-enterprise-name The name of the company or other commercial enterprise that produces products or services.</p> | | | | |
| 0171 | change-proposal-document-field The brief summary of key information related to one of several key aspects of a proposed engineering change proposal. | C | L | | 999 |
| | <p>change-proposal-document-change-description-text The summary of the change description resulting from the proposed engineering change. For Class II (Minor) proposed changes, the description should include the purpose and should be given in sufficient detail to adequately describe what is to be accomplished. For Class I (Major) Message proposed changes, the description should include the purpose and should be given in sufficient detail to adequately describe what is to be accomplished and the logistics impact of the proposed change. For all other Class I proposed changes, the description should be phrased in definitive language such that, if it is repeated in the contractual document authorizing the change, it will provide the authorization desired. A description as to which part of the item or system is being changed should also be included. If supplemental drawings and sketches are necessary to clearly portray the proposed change, they should be defined here as attachments. If the proposed change is an interim solution, this should be so stated.</p> | | | | |
| | <p>change-proposal-document-change-justification-text Provide a summary of the rationale for the proposed change, including the benefits of the change. The detailed explanation that describes the need for change, nature of improvement, defect, failure, malfunction, substantiating the need for the change. Full utilization should be made of available failure data. If a new capability is to be provided, improvements in such capabilities as range, speed, performance, endurance, striking power, defensive or offensive abilities, should be described in quantitative terms. Correspondence establishing requirements for the change and any testing accomplished prior to the submission should be identified and summarized. If the proposed change is needed to correct maintenance/logistics problems, that fact should also be included with sufficient detail to identify the issues. If the proposed change is being submitted as a response to a request for the ECP, or at Tasking activity direction, cite that authority herein. For ECPs with a priority of Emergency or Urgent, provide the rationale for the need for expedited processing of the proposal.</p> | | | | |
| | <p>change-proposal-document-production-delivery-schedule-effect-text The description of the effect of the change, if any, on delivery schedule and the estimated new delivery schedule for the hardware/software incorporating the change. Provide the estimated delivery date of the first item incorporating the change, either in terms of days after contractual approval, or by specific dates contingent upon contractual approval by a specified date. If there will be no effect on the delivery schedule, so state. For a complex ECP, or for related ECPs, this delivery date will be related to any other events which may adversely affect the projected delivery. Additional detail and supporting information can be provided in the Preparing Activity's attached cost and schedule documentation.</p> | | | | |
| 0172 | engineering-change-proposal-document-estimated-cost-amount The budgetary estimate in dollars of the increase/decrease cost of the specified units with the proposed change incorporated. Cost decreases shall be expressed as a negative number. | FX | R | 2 | 9 |

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| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size | | | | | | | | |
|---------------------|---|---------------------|----------------|-----|---|---|---|---|--------------------------------|--|--|--|--|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — | | | | | | | | |
| | engineering-change-proposal-document-estimated-production-cost-amount | | | | | | | | | | | | |
| | The budgetary estimate in dollars of the increased/decreased cost of production of the specified units with the proposed change incorporated. Cost decreases shall be expressed as a negative number. | | | | | | | | | | | | |
| | engineering-change-proposal-document-estimated-research-cost-amount | | | | | | | | | | | | |
| | The budgetary estimate in dollars of the cost of research, development, test, and evaluation of the proposed change. | | | | | | | | | | | | |
| 0173 | program-configuration-control-board-type-code | C | F | | 1 | | | | | | | | |
| | A code which denotes whether a configuration control board is responsible for a system, one or more configuration items, or both. | | | | | | | | | | | | |
| | The valid domain values for this element are as follows: | | | | | | | | | | | | |
| | <table><tr><th><u>Domain Value</u></th><th><u>Meaning</u></th></tr><tr><td>B</td><td>Responsible for both a System and one or more CIs</td></tr><tr><td>C</td><td>Responsible for one, or more, CIs, only</td></tr><tr><td>S</td><td>Responsible for a System, only</td></tr></table> | <u>Domain Value</u> | <u>Meaning</u> | B | Responsible for both a System and one or more CIs | C | Responsible for one, or more, CIs, only | S | Responsible for a System, only | | | | |
| <u>Domain Value</u> | <u>Meaning</u> | | | | | | | | | | | | |
| B | Responsible for both a System and one or more CIs | | | | | | | | | | | | |
| C | Responsible for one, or more, CIs, only | | | | | | | | | | | | |
| S | Responsible for a System, only | | | | | | | | | | | | |
| 0174 | product-assembly-status-code | C | F | | 1 | | | | | | | | |
| | The standard code which represents and/or denotes the status of a component part/material relative to the assembly in which it is or was installed. | | | | | | | | | | | | |
| | The valid domain values for this element are as follows: | | | | | | | | | | | | |
| | <table><tr><th><u>Domain Value</u></th><th><u>Meaning</u></th></tr><tr><td>I</td><td>Component is installed</td></tr><tr><td>R</td><td>Component has been removed</td></tr></table> | <u>Domain Value</u> | <u>Meaning</u> | I | Component is installed | R | Component has been removed | | | | | | |
| <u>Domain Value</u> | <u>Meaning</u> | | | | | | | | | | | | |
| I | Component is installed | | | | | | | | | | | | |
| R | Component has been removed | | | | | | | | | | | | |
| 0175 | product-tracking-identifier | S | | | 16 | | | | | | | | |
| | The concatenation of a code indicating the type of sequential tracking identifier and the actual value of the sequential tracking identifier used to identify a specific item (or batch of items) in a series of like items. For example: "L123456789012345" where 'L' indicates a lot number and the '123456789012345' is the specific lot number. | | | | | | | | | | | | |
| | assembly-product-tracking-identifier | | | | | | | | | | | | |
| | The product tracking identifier sequentially assigned to equipment/parts at the assembly level. | | | | | | | | | | | | |
| | component-material-product-tracking-identifier | | | | | | | | | | | | |
| | The product tracking identifier sequentially assigned to a material which is used as a component of a higher-level assembly. | | | | | | | | | | | | |
| | component-part-product-tracking-identifier | | | | | | | | | | | | |
| | The product tracking identifier sequentially assigned to a part which is used as a component of a higher-level assembly. | | | | | | | | | | | | |
| | component-product-lot-tracking-identifier | | | | | | | | | | | | |
| | A product tracking identifier which is assigned to track a lot of material (or parts) which is a component of a higher level assembly or of a regrouped lot of the material or part. | | | | | | | | | | | | |
| | product-block-tracking-identifier | | | | | | | | | | | | |
| | The product tracking identifier which is used to refer to a block of product serial or lot numbers. Block numbers may be used for stating effectivity on ECPs and RFDs, but are not identifiers in the sense that they are | | | | | | | | | | | | |

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| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | marked on parts. Some aircraft are tracked by block numbers, in addition to tail numbers as they are manufactured. | | | | |
| | product-government-serial-tracking-identifier | | | | |
| | A product tracking identifier which is assigned by the government tasking activity to an individual part and is unique and non-duplicating for all items with the same product-tracking base-identifier. | | | | |
| | product-lot-tracking-identifier | | | | |
| | A product tracking identifier assigned to a batch of material or group of like items. | | | | |
| | product-manufacturer-serial-tracking-identifier | | | | |
| | A product tracking identifier which is assigned by the manufacturer to an individual part and is unique and non-duplicating for all items with the same product-tracking base-identifier. | | | | |
| | product-manufacturing-date-code-tracking-identifier | | | | |
| | The product tracking identifier which is assigned by the manufacturer to a batch of like items based upon the date of manufacture of the item. | | | | |
| | product-manufacturing-datecode-tracking-identifier | | | | |
| | The product tracking identifier which is assigned by the manufacturer to a batch of like items based upon the date of manufacture of the item. | | | | |
| | regrouped-product-lot-tracking-identifier | | | | |
| | A product tracking identifier assigned to a lot of parts (or material) which has been formed by the consolidation of small lots of the same part (or material). | | | | |
| 0177 | software-product-united-states-air-force--assigned-revision-identifier | C | F | | 6 |
| | The identifier of the revision of a computer product identification number (CPIN) as assigned by U.S. Air Force (OC-ALC/MMEC). The first three positions must be the letters 'REV'. The last three positions are the numbers from 001 to 999. (Source of requirements: USAF TO 00-5-16, USAF TO 00-5-17.) | | | | |
| | software-product-united-states-air-force--assigned-version-identifier | | | | |
| | The identifier of the version of a computer product identification number (CPIN) as assigned by U.S. Air Force (OC-ALC/MMEC). The first three positions must be the letters 'REV'. The last three positions are the numbers from 001 to 999. (Source of requirements: USAF TO 00-5-16, USAF TO 00-5-17.) | | | | |
| 0178 | document-procuring-activity--assigned-identifier | C | L | | 9 |
| | An identifier used by Armament Research, Development and Engineering Center (ARDEC) organizations as an alias identifier for ECPs and RFDs. (Source of requirements: ARDEC.) | | | | |
| | document-procuring-activity-assigned-identifier | C | L | | 9 |
| | An identifier used by an activity as an alias identifier for ECPs, NORs and RFDs. | | | | |
| 0179 | software-product-united-states-air-force--assigned-category-code | C | F | | 2 |
| | The code which is part of the U.S. Air Force Computer Product Identification Number (CPIN) and which identifies the category of software to which the CPIN applies. (Source of requirements: USAF TO 00-15-16, USAF TO 00-15-17.) | | | | |

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|-----------------------------------|
| 81 | Aircraft |
| 82 | Missiles |
| 83 | Ground Communications-Electronics |

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| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|------|---|--|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| 84 | Simulators or Trainers | | | | |
| 85 | Test Stations or Testers | | | | |
| 87 | General Purpose Computers | | | | |
| 88 | Other Computer Programs | | | | |
| 89 | Space and Space Vehicles | | | | |
| 91 | Command and Control | | | | |
| 0180 | change-proposal-document-contractor-field-service-effect-code | YN | | | 1 |
| | The code that denotes whether contractor field service engineering is required to support the proposed change. | | | | |
| 0182 | software-product-united-states-air-force--assigned-major-function-code | C | F | | 1 |
| | The code which is part of the U.S. Air Force Computer Product Identification Number (CPIN) and which identifies the major function of an embedded computer software (ECS) computer software configuration item (CSCI). (Source of requirements: USAF TO 00-15-16, USAF TO 00-15-17.) | | | | |
| | The valid domain values for this element are as follows: | | | | |
| | <u>Domain Value</u> | <u>Meaning</u> | | | |
| | A | Operational Flight | | | |
| | B | Electronic Warfare | | | |
| | C | Communications | | | |
| | D | Data Processing or Display | | | |
| | E | Engines | | | |
| | F | Flight Controls | | | |
| | G | Guidance | | | |
| | H | Navigation | | | |
| | J | Weapons Delivery | | | |
| | K | Fire Control | | | |
| | L | Missile Launch | | | |
| | M | Metrology | | | |
| | N | Environmental and Egress | | | |
| | P | Photography | | | |
| | Q | Electronic and Electrical | | | |
| | R | Armament and Munitions | | | |
| | S | Fuel | | | |
| | T | Multiple Major Functions | | | |
| | U | Hydraulic, Pneumatic, Pneudraulic, Vacuum | | | |
| | W | Surveillance/Tracking/Identify Friend or Foe (IFF) | | | |
| | X | Not Used | | | |
| | Y | Not Used | | | |
| | Z | Other | | | |
| 0183 | software-product-united-states-air-force--assigned-applicable-system-identifier | C | L | | 12 |
| | The identifier which is part of the U.S. Air Force assigned Computer Product Identification Number (CPIN) and which identifies the hardware system and/or subsystem in which the software is used. The content of this field is an abbreviation of the configuration item designation. Characters are restricted to uppercase letters, numbers and the characters dash (-), virgule (/), and parenthesis (()). (Source of requirements: USAF TO 00-15-16, USAF TO 00-15-17.) | | | | |
| 0184 | predicted-asset-service-period-downtime-days-quantity | FX | R | | 26 |
| | The length of time in days and hundredths of a day that each unit of the fielded system or equipment will be out of service because of a retrofit/modification resulting from an approved engineering change. | | | | |

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|--------------|--|--------------|---------|-----|----------------------------------|---|---|---|----------------------|---|------------------|---|------------------------|---|--------------------------|---|---|--|---|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — | | | | | | | | | | | | | | |
| 0185 | implementation-process-action-item-description-text The free-form text narrative description of the action necessary to implement a particular aspect of the engineering change proposal or request for deviation. deviation-implementation-process-action-item-description-text The free-form text narrative description of the action necessary to implement a particular aspect of the request for deviation. engineering-change-implementation-process-action-item-description-text The free-form text narrative description of the action necessary to implement a particular aspect of the engineering change proposal. | C | L | | 320 | | | | | | | | | | | | | | |
| 0186 | commercial-product-inventory-stock-identifier The identifier assigned by a company to a part, material, or family of parts and/or materials for warehousing, inventory control, and internal reference of the item. It may also be used for cataloging and external ordering of parts sold by, but not designed by, the company. | C | L | | 32 | | | | | | | | | | | | | | |
| 0187 | related-engineering-change-proposal-document-indicator-code The code which represents or denotes whether an ECP is a primary ECP with related ECPs associated with it, or is related to a primary ECP. The valid domain values for this element are as follows: <table><tr><td>Domain Value</td><td>Meaning</td></tr><tr><td>N</td><td>Not related to any other ECPs</td></tr><tr><td>P</td><td>Primary ECP</td></tr><tr><td>R</td><td>Related ECP</td></tr></table> | Domain Value | Meaning | N | Not related to any other ECPs | P | Primary ECP | R | Related ECP | C | F | | 1 | | | | | | |
| Domain Value | Meaning | | | | | | | | | | | | | | | | | | |
| N | Not related to any other ECPs | | | | | | | | | | | | | | | | | | |
| P | Primary ECP | | | | | | | | | | | | | | | | | | |
| R | Related ECP | | | | | | | | | | | | | | | | | | |
| 0188 | software-product-united-states-air-force--assigned-type-code The code which is part of the computer product identification number (CPIN) and which identifies the application of the CPIN. (Source of requirements: USAF TO 00-15-16, USAF TO 00-15-17.) The valid domain values for this element are as follows: <table><tr><td>Domain Value</td><td>Meaning</td></tr><tr><td>C</td><td>Combination of types of software</td></tr><tr><td>D</td><td>Master (denotes a combination of software of a single type)</td></tr><tr><td>F</td><td>Operational Software</td></tr><tr><td>S</td><td>Support Software</td></tr><tr><td>T</td><td>In Place Test Software</td></tr><tr><td>U</td><td>Unit Under Test Software</td></tr></table> | Domain Value | Meaning | C | Combination of types of software | D | Master (denotes a combination of software of a single type) | F | Operational Software | S | Support Software | T | In Place Test Software | U | Unit Under Test Software | C | F | | 1 |
| Domain Value | Meaning | | | | | | | | | | | | | | | | | | |
| C | Combination of types of software | | | | | | | | | | | | | | | | | | |
| D | Master (denotes a combination of software of a single type) | | | | | | | | | | | | | | | | | | |
| F | Operational Software | | | | | | | | | | | | | | | | | | |
| S | Support Software | | | | | | | | | | | | | | | | | | |
| T | In Place Test Software | | | | | | | | | | | | | | | | | | |
| U | Unit Under Test Software | | | | | | | | | | | | | | | | | | |
| 0190 | software-product-basic-application-alphanumeric-identifier The identifier which represents all releases and versions of a software program or database. Must be numbers or capital letters (excluding O). | C | L | | 8 | | | | | | | | | | | | | | |
| 0191 | material-product-name The name which identifies a material, for example, Nylon-66, elastomeric putty, trichloro-ethane, enamel paint. (This is equivalent to MIL-PRF-49506 DED 0480.) product-name The name given to a product, both hardware and software. (Source of requirements: DLA H-6, AFR 82-1, AR 70-50, MIL-STD 1464(AR), MIL-STD 1661(OS), MIL-STD 1812, MIL-STD 196.) (This is equivalent to MIL-PRF-49506 DED 0480.) | C | L | | 120 | | | | | | | | | | | | | | |

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| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|-----|---|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |

| | | | | | |
|------|---|---|---|--|---|
| 0193 | retrofit-kit-change-document-implementation-sequence-code | C | F | | 1 |
| | The standard code which represents and/or denotes the implementation sequence of a retrofit/forward fit when other related retrofits exist. | | | | |

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|--|
| A | This retrofit must be implemented after related retrofit |
| B | This retrofit must be implemented before the related retrofit |
| W | This retrofit must be implemented simultaneously with the related retrofit |

| | | | | | |
|------|--|---|---|--|---|
| 0194 | engineering-change-proposal-document-format-type-code | C | F | | 1 |
| | A code which denotes and/or indicates the type of Engineering Change Proposal. | | | | |

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|---|
| F | Final ECP. An ECP which provides engineering information and other data in sufficient detail to support final change approval and contractual implementation. (The content will differ depending on the contractual relationship between the performing and tasking activities, what organization is proposing the change, and what organization is the current document change authority for the document addressed by the proposed change.) |
| M | Message ECP. The purpose of the message ECP is to expedite the initiation of action on Class I Emergency or Urgent priority, or Compatibility code ECPs. (1) An ECP which, in the originator's judgment carries a priority of emergency or urgent, and requires immediate action, may be initiated verbally (by telephone or personal contact), or in writing (by hard copy or electronic message). When the initial contact is verbal, a follow-up written confirmation message is required as soon as possible. If the initial reaction by the addressee of the communication(s) is favorable, a written preliminary or final ECP is required as soon as practicable. Time periods for follow-up documentation are usually specified in the agreement between the tasking and performing activities. (a) For an initial verbal contact, the verbal communication should specifically identify the affected item(s), briefly describe the change, and indicate why time is of the essence. The originator should make a note of the conversation for referencing on the follow-up written message. (b) A written message shall also specifically identify the affected item(s), briefly describe the change, provide a not-to-exceed/not-less-than cost impact, schedule impacts, and indicate why time is of the essence. If a verbal contact preceded the written message, it should be referenced in the written message as to date and time of occurrence, person(s) contacted, and direction (if any) received. (2) An ECP which, in the originator's judgment warrants a justification code of 'compatibility' (all aspects of the compatibility code definition are applicable), may also be submitted as described above. With initial favorable reaction, corrective action may then be implemented immediately by the performing activity to resolve such incompatibilities, but only for the specific item(s) situated in the location at which the deficiency was originally discovered. In addition, a final Class I compatibility code ECP is required within 30 days (or other time period established in the agreement between the tasking and performing activities) after initial notification. In those cases where additional action is necessary due to 'lead time' considerations, the performing activity may initiate procurement or manufacturing action, advising the tasking activity by notification of the serial number(s) and locations of additional items involved. The performing activity assumes total risk for implementation of such additional action prior to tasking activity authorization, except in those cases where the tasking activity caused the incompatibility. |
| P | Preliminary ECP. The purpose is: (1) to furnish the tasking activity with very brief, preliminary information on a routine priority proposed change idea in order to decide whether to authorize |

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the additional work necessary to generate a final ECP; or (2) to supplement a message ECP relative to an emergency or urgent priority ECP when it is impractical to document and submit a final ECP within 30 calendar days (or other time as specified in the agreement between the tasking and performing activities) of the message ECP; or (3) during production, for those instances where the change originator did not develop the prescribed detail design, and therefore does not know the total impact of the change being requested, to provide sufficient data on the proposed change to permit the current document change authority to evaluate the proposal, adding whatever data is necessary to the change proposal for this purpose; or (4) to permit (a) analysis and selection of the most attractive of several proposed alternative concepts; (b) analysis of the proposed hardware or software design prior to the actual building and testing of the hardware or coding and testing of the software; or (c) evaluation of preliminary test data documenting the merits of the proposed design (for example: installation, evaluation, and testing of prototype hardware or software).

0195 **engineering-change-proposal-document-retrofit-installation-level-code** C F 1

A code that identifies the echelon level of maintenance needed to perform the work associated with a retrofit requirement.

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|----------------------|
| D | Depot |
| I | Intermediate |
| O | Operational or field |

0196 **technical-manual-document-iteration-type-code** C L 1

A code which denotes the type of document iteration series, for example: revision, change, supplement.

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|---------------------------|
| C | Change number (or letter) |
| D | Revision issue date |
| S | Supplement |

197 **contract-data-requirement-list-document-item-submission-frequency-code** C L 5

A code which denotes and/or represents how often an item on the contract data requirements list item must be submitted. (Source of requirements: DOD 5010.12-M.)

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|---|
| ANNLY | Annually (on anniversary of first submittal) |
| ASGEN | As generated |
| ASREQ | As required |
| BI-MO | Bi-monthly (on anniversary of first submittal) |
| BI-YR | Bi-annually (on anniversary of first submittal) |
| DAILY | Daily |
| DFDEL | Deferred delivery |
| MTHLY | Monthly (on anniversary of first submittal) |
| ONE/P | One preliminary |

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| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |

| | |
|-------|---|
| ONE/R | One time with revisions |
| QRTLY | Quarterly (on anniversary of first submittal) |
| R/ASR | Revisions as required |
| RTIME | Real Time |
| SEMIA | Every six months (on anniversary of first submittal) |
| WEKLY | Weekly (on anniversary of first submittal) |
| XTIME | Number of times to be submitted where X is a number between 1 and 9 |

0199 **contract-data-requirement-list-document-item-price-group-code** C F 1

The code which denotes and/or represents the price group of the contract data item as determined by the availability of the data. (Source of requirements: DOD 5010.12-M.)

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|--|
| 1 | Group I. Data that the contractor prepares to satisfy the Government's requirements. The contractor does not need this type of data to perform the rest of the contract. Price would be based on identifiable direct costs, overhead, general and administrative (G&A), and profit. |
| 2 | Group II. Data essential to contract performance which must be reworked or amended to conform to Government requirements. The price for data in this group would be based on the direct cost to convert the original data to meet Government needs and to deliver it, plus allowable overhead, G&A, and profit. |
| 3 | Group III. Data that the contractor must develop for the contractor's use and that requires no substantial change to conform to Government requirements on depth of content, format, frequency of submittal, preparation, and quality of data. Only the costs of reproducing, handling and delivery, plus overhead, G&A, and profit, are considered in pricing data in this group. |
| 4 | Group IV. Data that the contractor has developed as part of the contractor's commercial business. Not much of this data is required and the cost is insignificant. The item should normally be coded 'no charge'. An example is a brochure or brief manual developed for commercial application which will be acquired in small quantities, and the added cost is too small to justify the expense of computing the charge that otherwise would go with the acquisition. |

0200 **contract-data-requirement-list-document-item-price-amount** FX R 2 7

The dollar price of the data item. (Source of requirements: DOD 5010.12-M.)

0201 **contract-data-requirement-list-document-form-category-code** C L 4

A code that indicates the category of data addressed by a contract data requirements list. (Source of requirements: DOD 5010.12-L.)

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|--|
| ADMN | Administrative |
| ALSS | Acquisition Logistics Standards and Specifications |
| ATTS | Automatic Test Technology Standards |
| CDNC | Computer-aided Design/Numerical Control |
| CMAN | Configuration Management |
| CMPS | Composites Technology |
| DCPS | Data Communications Protocol Standards |
| DRPR | Drawing Practices |

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| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|---|---|------|-----|-----|------|
| <u>Definition and Legal Values (if any)</u> | | — | — | — | — |
| EDRS | DoD Engineering Data Reproduction Systems | | | | |
| EGDS | Engineering Data Systems | | | | |
| EMCS | Electromagnetic Compatibility | | | | |
| ENVR | Environmental Requirements and Related Test Methods | | | | |
| FACR | Facility Construction Design Requirements | | | | |
| FNCL | Financial Data | | | | |
| FORG | Forgings | | | | |
| GDRQ | General Design Requirements | | | | |
| HFAC | Human Factors | | | | |
| IPSC | Information Processing Standards for | | | | |
| MCCR | Mission Critical Computer Resources | | | | |
| MECA | Metal Castings | | | | |
| MFFP | Metal Finishing & Finishing Processes & Procedures | | | | |
| MGMT | Management | | | | |
| MISC | Miscellaneous | | | | |
| MNTY | Maintainability | | | | |
| NDTI | Nondestructive Testing & Inspection | | | | |
| NUOR | Nuclear Ordnance | | | | |
| PACK | Packing, Packaging. Preservation and Transportability | | | | |
| QCIC | Quality Control/Assurance and Inspection | | | | |
| RELI | Reliability | | | | |
| SAFT | Safety | | | | |
| SDMP | Standardization and Data Management | | | | |
| SLHC | Long-Haul Communications | | | | |
| SOLD | Soldering | | | | |
| TCSP | Technical Support | | | | |
| TCTS | Tactical Communications Systems Technical Standards | | | | |
| TDP | Technical Data Package | | | | |
| THDS | Screw Threads | | | | |
| THJM | Thermal Joining of Materials | | | | |
| TMSS | Technical Manual Specifications and Standards | | | | |

0202 **shipping-document-requirement-code** C F 2

A code indicating whether or not a DD Form 250 is required for delivery of the data item and the location of inspection and acceptance of the data item. (Source of requirements: DOD 5010.12-M.)

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|---|
| DD | DD Form 250 required, no inspection performed at source, final inspection at destination; acceptance at destination |
| DS | DD Form 250 required; no inspection performed at source, final inspection at destination; acceptance at source |
| LT | No DD Form 250; letter of transmittal only; inspection and acceptance required as specified in remarks |
| NO | No DD Form 250 required; no letter of transmittal required; no inspection or acceptance required |
| SD | DD Form 250 required; inspection at source; acceptance at destination |
| SS | DD Form 250 required; inspection at source; acceptance at source |
| XX | Inspection and acceptance requirements specified elsewhere in the contract |

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| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|------|--|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | | | | |
| 0203 | contract-data-requirement-list-document-item-approval-requirement-code A code that denotes and/or represents whether government approval is required for the data item. (Source of requirements: DOD 5010.12-M.) | YN | | | 1 |
| 0204 | contract-data-requirement-list-document-item-remark-text The text description that elaborates upon the requirements for a data item on the contract data requirements list. (Source of requirements: DOD 5010.12-M.) | C | L | | 400 |
| 0205 | contract-data-requirement-list-document-item-modification-symbol-code A code added to the Exhibit Line Item Number (ELIN) to indicate if the contract data requirements list (CDRL) item has been added, deleted or revised since the initial issue of the CDRL. Valid characters are plus (+) meaning added, dash (-) meaning deleted, and 'R' meaning revised. (Source of requirements: DOD 5010.12-M.) | C | F | | 1 |
| 0206 | electronic-document-file-identifier The identifier which represents a single unit of information for storage in a computer. | C | L | | 32 |
| | electronic-document-comment-file-identifier The identifier which represents a digital or other electronic file which contains comments about a document. | | | | |
| | electronic-document-representation-file-identifier The identifier of a file which is used as part (or all) of a document representation. | | | | |
| 0207 | document-representation-identifier The identifier which represents a set of digital (or other) files which, when viewed together, collectively represent the entire document. (For example, a set of raster files, a set of Initial Graphics Exchange Specification (IGES) files, a set of paper pages. Must be uppercase letters (excluding O), numbers, or dash (-). | C | L | | 32 |
| 0208 | document-representation-revision-identifier The identifier which represents a specific iteration in a sequential series of iterations of a document representation. Must be uppercase letters (excluding O), numbers, or dash (-). | C | L | | 2 |
| | document-representation-version-identifier The identifier which represents a specific iteration in a sequential series of iterations of a document representation. Must be numbers running consecutively from 01 to 99. | | | | |
| 0209 | electronic-storage-place-identifier The identifier which represents the electronic storage location of a digital or other electronic file. It may be a directory identifier/path with a file name and extension, or it may be an internal operating system pointer to the storage location. | C | L | | 128 |
| | application-software-product-electronic-storage-place-identifier The identifier which represents the electronic storage location of application software. It may be a directory identifier/path with a file name and extension, or it may be an internal operating system pointer to the storage location. | | | | |
| | application-software-product-launch-script-electronic-storage-place-identifier The identifier which represents the electronic storage location of the software instructions necessary for automatically initiating recall and use of specific application software. It may be a directory identifier/path with a file name and extension, or it may be an internal operating system pointer to the storage location. | | | | |
| | document-file-electronic-storage-place-identifier The identifier which represents the electronic storage location of a digital or other electronic file. It may be a directory identifier/path with a file name and extension, or it may be an internal operating system pointer to the | | | | |

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| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|-----|---|---------------|---------------|---------------|---------------|
| | <u>Definition and Legal Values (if any)</u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |

storage location.

| | | | | |
|------|--------------------------------|---|---|---|
| 0210 | document-file-type-code | C | L | 6 |
|------|--------------------------------|---|---|---|

The code that represents or denotes the general type of an electronic file.

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|---|
| ASCII | American Standard Code for Information Interchange |
| CGM | Computer Graphics Metafile |
| DSSSL | Document Style Semantics Specification Language |
| EDIF | Electronic Design Interchange Format |
| EPS | Encapsulated Post Script page description language |
| FOSI | Formatting Output Specification Instance |
| HPGL | Hewlett-Packard Graphics Language page description language |
| HTML | HyperText Markup Language |
| HYTIME | Hypermedia/TIME-based structuring language |
| IGES3 | Initial Graphics Exchange Specification, Version 3 |
| IGES4 | Initial Graphics Exchange Specification, Version 4 |
| IPC | Integrated Printed Circuit |
| MPEG | Motion Picture Experts Group |
| PDF | Portable Document File |
| PLANG | Proprietary Language. A file which can only be accessed for view or edit by use of a specific software application which is proprietary to a particular company |
| PS | Post Script page description language (registered trademark of Adobe, Inc.) |
| RAST3 | Raster Graphics, Group 3 |
| RAST4 | Raster Graphics, Group 4 |
| SGML | Standard Generalized Markup Language |
| SPDL | Standard Page Description Language |
| STAND | A file type based on a specified, published standard |
| STEP | Standard for the Exchange of Product data |
| TIFF | Tagged Image File Format |
| VHDL | Very High Speed Integrated Circuit (VHSIC) Hardware Description Language |

| | | | |
|------|---------------------------------|---|---|
| 0211 | julian-month-period-code | I | 2 |
|------|---------------------------------|---|---|

A code that represents or denotes the month using the Julian calendar system. (Source of requirements: ISO 8601, ISO 10303-41.)

This DED may be used as part of the following DED string(s):

| | |
|------|----------|
| DED | Title |
| 0082 | { }-date |

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|----------------|
| 1 | January |
| 2 | February |
| 3 | March |
| 4 | April |
| 5 | May |
| 6 | June |

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| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---------------------|----------------|-------|---|-----|--------------------------------------|--------|---|---------|--------------------|----------|---------------------------|--------|--|--------|----------------------|--------|---|-------|------------------------|------|-----------------------|-----|-------------------------------|----------|------------------------------------|----------|------------------------------------|--------|------------------------------------|--------|------------------------------------|--------|--|--|--|--|--|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | July | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | August | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | September | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | October | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | November | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | December | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0212 | document-file-description-text The text describing the content and/or usage of a digital or other electronic file. | C | L | | 120 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0213 | computer-operating-system-asset-type-code The code which represents or denotes a specific type of computer operating system software. The code is generally used to designate the operating system that a specific software application is designed to run on or the operating system that a data file was generated on. | C | L | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| The valid domain values for this element are as follows: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table><tr><td><u>Domain Value</u></td><td><u>Meaning</u></td></tr><tr><td>APPLE</td><td>Apple OS</td></tr><tr><td>IMS</td><td>IBM Information Management System</td></tr><tr><td>MS-DOS</td><td>Microsoft Disk Operating System</td></tr><tr><td>OS2 IBM</td><td>Operating System-2</td></tr><tr><td>OS2-WARP</td><td>IBM WARP Operating System</td></tr><tr><td>PC-DOS</td><td>IBM Personal Computer (PC) Disk Operating System</td></tr><tr><td>SUN-OS</td><td>SUN Operating System</td></tr><tr><td>TI-DOS</td><td>Texas Instruments Disk Operating System</td></tr><tr><td>LINUX</td><td>LINUX Operating System</td></tr><tr><td>UNIX</td><td>UNIX Operating System</td></tr><tr><td>VMS</td><td>VAX Virtual Management System</td></tr><tr><td>WIN-2000</td><td>Microsoft Windows Operating System</td></tr><tr><td>WIN-3.XX</td><td>Microsoft Windows Operating System</td></tr><tr><td>WIN-98</td><td>Microsoft Windows Operating System</td></tr><tr><td>WIN-95</td><td>Microsoft Windows Operating System</td></tr><tr><td>WIN-NT</td><td>Microsoft Windows, NT Operating System</td></tr></table> | <u>Domain Value</u> | <u>Meaning</u> | APPLE | Apple OS | IMS | IBM Information Management System | MS-DOS | Microsoft Disk Operating System | OS2 IBM | Operating System-2 | OS2-WARP | IBM WARP Operating System | PC-DOS | IBM Personal Computer (PC) Disk Operating System | SUN-OS | SUN Operating System | TI-DOS | Texas Instruments Disk Operating System | LINUX | LINUX Operating System | UNIX | UNIX Operating System | VMS | VAX Virtual Management System | WIN-2000 | Microsoft Windows Operating System | WIN-3.XX | Microsoft Windows Operating System | WIN-98 | Microsoft Windows Operating System | WIN-95 | Microsoft Windows Operating System | WIN-NT | Microsoft Windows, NT Operating System | | | | |
| <u>Domain Value</u> | <u>Meaning</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APPLE | Apple OS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IMS | IBM Information Management System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MS-DOS | Microsoft Disk Operating System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OS2 IBM | Operating System-2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OS2-WARP | IBM WARP Operating System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC-DOS | IBM Personal Computer (PC) Disk Operating System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUN-OS | SUN Operating System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TI-DOS | Texas Instruments Disk Operating System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LINUX | LINUX Operating System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UNIX | UNIX Operating System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VMS | VAX Virtual Management System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WIN-2000 | Microsoft Windows Operating System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WIN-3.XX | Microsoft Windows Operating System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WIN-98 | Microsoft Windows Operating System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WIN-95 | Microsoft Windows Operating System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WIN-NT | Microsoft Windows, NT Operating System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0214 | document-file-compression-method-code The code which represents or denotes the method or software used to compress the data in a digital file. | C | F | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| The valid domain values for this element are as follows: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table><tr><td><u>Domain Value</u></td><td><u>Meaning</u></td></tr><tr><td>ARC</td><td>An MS-DOS based file compression method</td></tr><tr><td>TAR</td><td>A UNIX-based file compression method</td></tr><tr><td>ZIP</td><td>An MS-DOS based file compression method</td></tr></table> | <u>Domain Value</u> | <u>Meaning</u> | ARC | An MS-DOS based file compression method | TAR | A UNIX-based file compression method | ZIP | An MS-DOS based file compression method | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>Domain Value</u> | <u>Meaning</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ARC | An MS-DOS based file compression method | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TAR | A UNIX-based file compression method | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZIP | An MS-DOS based file compression method | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0215 | document-file-compression-code The code which represents or denotes whether or not a digital file has been compressed for storage. | YN | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0216 | document-representation-release-type-code A code which represents or denotes the type of release action which has been authorized. | C | F | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|------|--|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | <u>Domain Value</u> | | | | |
| | <u>Meaning</u> | | | | |
| | FUL | | | | |
| | LIM | | | | |
| | SUB | | | | |
| 0217 | document-representation-release-limitations-text | C | L | | 500 |
| | The text describing the limitations placed on the use of a released document representation. | | | | |
| 0219 | julian-year-period-identifier | I | | | 4 |
| | The unique set of digits assigned using the Julian calendar system to represent a specific 12-month period of time starting on the first day of January and ending on the last day of December. The acceptable range of values is 0001 through 9999. (Note: because this is an integer, the entry '98' refers to the year 98, not the year 1998.) | | | | |
| 0220 | deviation-request-document-part-level-code | C | F | | 1 |
| | A code which represents and/or denotes whether the part number is the 'lowest level' part addressed by the RFD, the effectivity base for the RFD, or both. | | | | |
| | The valid domain values for this element are as follows: | | | | |
| | <u>Domain Value</u> | | | | |
| | <u>Meaning</u> | | | | |
| | B | | | | |
| | E | | | | |
| | L | | | | |
| 0221 | software-product-united-states-air-force--assigned-sequence-identifier | C | F | | 3 |
| | The identifier which is part of the computer product identification number (CPIN) and which identifies the sequence number of a series of related computer software configuration items (CSCIs), or different types of media for storage of the CSCI. The contents are restricted to the digits 000 through 999. (Source of requirements: USAF TO 00-15-16, USAF TO 00-15-17.) | | | | |
| 0222 | software-product-application-suffix-alphanumeric-identifier | C | L | | 6 |
| | The identifier of the specific significant release of a software program or database within a family of related releases of the software program or database. | | | | |
| 0223 | engineering-change-proposal-document-in--production-code | YN | | | 1 |
| | A code that indicates whether the equipment to which the ECP applies is in production. | | | | |
| | engineering-change-proposal-document-in-production-code | | | | |
| | A code that indicates whether the equipment to which the ECP applies is in production. | | | | |
| 0224 | enterprise-security-classified-document-receipt-authorization-code | C | L | | 1 |
| | A code which represents and/or denotes the highest level of security-classified documents which may be received. | | | | |
| | The valid domain values for this element are as follows: | | | | |
| | <u>Domain Value</u> | | | | |
| | <u>Meaning</u> | | | | |
| | C | | | | |
| | S | | | | |
| | T | | | | |
| | U | | | | |

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|-----|---|---------------|---------------|---------------|---------------|
| | <u>Definition and Legal Values (if any)</u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |

0225 **entity-telephone-access-type-code**
A code that represents the type of usage of a telephone number.

C F 1

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|---------------------------|
| 1 | Facsimile & Voice |
| 2 | Facsimile & Modem |
| 3 | Facsimile, Modem, & Voice |
| D | Digital pager |
| F | Facsimile Machine |
| M | Modem |
| V | Voice |

0227 **contract-document-fee-type-code**
A code which represents and/or denotes the type of pricing/fee arrangement agreed to in the contract.

C L 4

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|---------------------------|
| CPAF | Cost Plus Award Fee |
| CPFF | Cost Plus Fixed Fee |
| CPIF | Cost Plus Incentive Fee |
| FFP | Firm Fixed Price |
| FPIF | Fixed Price Incentive Fee |

0232 **period-unit-code**
A code which denotes or signifies the unit of measure of the expected service life of an item.

C L 2

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|----------------|
| DA | Day |
| HR | Hour |
| MI | Minute |
| MO | Month |
| WK | Week |
| YR | Year |

product-service-life-period-unit-code

A code which denotes or signifies the unit of measure of the expected service life of an item.

0233 **contract-data-requirement-list-document-delivery-due-code**
A code that denotes or represents the contractually required time-frame for delivery of a contract data item.
(Source of requirements: DoDM 5010.12-M.)

C F 5

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|-------------------|
| ASGEN | As generated |
| ASREQ | As required |
| DFDEL | Deferred delivery |

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size | | | | | | | | |
|---------------------|---|---------------------|----------------|-----|---|---|--|---|-------------|--|--|--|--|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — | | | | | | | | |
| | contract-data-requirement-list-document-item-initial-delivery-due-code | | | | | | | | | | | | |
| | A code which denotes or represents the contractually required time-frame for the first delivery of a contract data item. | | | | | | | | | | | | |
| | contract-data-requirement-list-document-item-subsequent-delivery-due-code | | | | | | | | | | | | |
| | A code which denotes or represents the contractually required time-frame for the second and subsequent delivery of a contract data item. | | | | | | | | | | | | |
| 0234 | contract-data-submittal-document-event--delta-text | C | L | | 9 | | | | | | | | |
| | A text string which defines a date that a contract data item delivery is due expressed as a period of time before or after an event. | | | | | | | | | | | | |
| | contract-data-submittal-document-initial-delivery-event--delta-text | | | | | | | | | | | | |
| | A text string which defines a date that the initial delivery of a contract data item is due expressed as a period of time before or after an event. | | | | | | | | | | | | |
| | contract-data-submittal-document-subsequent-delivery-event--delta-text | | | | | | | | | | | | |
| | A text string which defines a date that the second or subsequent delivery of a contract data item is due expressed as a period of time before or after an event. | | | | | | | | | | | | |
| 0236 | software-product-united-states-air-force--assigned-applicability-code | C | F | | 1 | | | | | | | | |
| | The code which is part of the computer product identification number (CPIN) and which denotes whether the CPIN is applicable to software or a software engineering documentation package. (Source of requirements: USAF TO 00-15-16, USAF TO 00-15-17.) | | | | | | | | | | | | |
| | The valid domain values for this element are as follows: | | | | | | | | | | | | |
| | <table><tr><td><u>Domain Value</u></td><td><u>Meaning</u></td></tr><tr><td>A</td><td>CSCI (executable or object code)</td></tr><tr><td>D</td><td>Software Engineering Documentation Package</td></tr></table> | <u>Domain Value</u> | <u>Meaning</u> | A | CSCI (executable or object code) | D | Software Engineering Documentation Package | | | | | | |
| <u>Domain Value</u> | <u>Meaning</u> | | | | | | | | | | | | |
| A | CSCI (executable or object code) | | | | | | | | | | | | |
| D | Software Engineering Documentation Package | | | | | | | | | | | | |
| 0238 | software-product-storage-medium-type-name | C | L | | 15 | | | | | | | | |
| | The name of the type of medium used to store a particular software product. | | | | | | | | | | | | |
| 0240 | product-retrofit-requirement-code | YN | | | 1 | | | | | | | | |
| | A code which denotes and/or represents whether or not retrofit of existing units is recommended by an ECP. | | | | | | | | | | | | |
| 0241 | document-parts-list-entry-component-type-code | C | F | | 1 | | | | | | | | |
| | A code which denotes and/or represents the type of identifier provided in a parts list entry line item. | | | | | | | | | | | | |
| | The valid domain values for this element are as follows: | | | | | | | | | | | | |
| | <table><tr><td><u>Domain Value</u></td><td><u>Meaning</u></td></tr><tr><td>D</td><td>Document identifier (usually for a drawing, specification, or other document)</td></tr><tr><td>M</td><td>Material or part identifier (other than a part number)</td></tr><tr><td>P</td><td>Part number</td></tr></table> | <u>Domain Value</u> | <u>Meaning</u> | D | Document identifier (usually for a drawing, specification, or other document) | M | Material or part identifier (other than a part number) | P | Part number | | | | |
| <u>Domain Value</u> | <u>Meaning</u> | | | | | | | | | | | | |
| D | Document identifier (usually for a drawing, specification, or other document) | | | | | | | | | | | | |
| M | Material or part identifier (other than a part number) | | | | | | | | | | | | |
| P | Part number | | | | | | | | | | | | |
| 0242 | entity-address-type-code | C | F | | 1 | | | | | | | | |
| | The code that represents the type of address for a person or enterprise. | | | | | | | | | | | | |
| | The valid domain values for this element are as follows: | | | | | | | | | | | | |

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|------|---|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | <u>Domain Value</u> <u>Meaning</u> | | | | |
| | E Electronic Mail Address | | | | |
| | P Telephone Address (includes Facsimile, Modem, and Voice) | | | | |
| | S Shipping/Mailing Address | | | | |
| | X Telex Address | | | | |
| | W Web Address | | | | |
| 0244 | supplement-document-sequence-identifier | C | R | | 3 |
| | The identifier of a specific supplement in a series of supplements to a document. Limited to the characters 1 through 999. | | | | |
| 0246 | modification-work-order-document-priority-code | C | F | | 1 |
| | A code that indicates the priority given to a modification work order to indicate the level of urgency that should be given to accomplishing the task. (Source of requirements: DA PAM 738-750, DA PAM 738-751.) | | | | |
| | The valid domain values for this element are as follows: | | | | |
| | <u>Domain Value</u> <u>Meaning</u> | | | | |
| | L Limited Urgent | | | | |
| | N Normal | | | | |
| | U Urgent | | | | |
| 0247 | technical-directive-document-category-code | C | F | | 1 |
| | A code assigned to a technical directive to indicate the importance and urgency of accomplishing the work involved. (Source of requirements: MIL-D-81992, Naval Air Systems Command Instruction (NAVAIRINST) 5215.10D.) | | | | |
| | The valid domain values for this element are as follows: | | | | |
| | <u>Domain Value</u> <u>Meaning</u> | | | | |
| | C Record Purpose | | | | |
| | I Immediate | | | | |
| | R Routine | | | | |
| | U Urgent | | | | |
| 0248 | limited-duration-technical-order-document-priority-code | C | F | | 1 |
| | A code assigned to a TCTO to indicate the immediacy or importance of accomplishing the task covered by the TCTO. (Source of requirements: AF TO 00-20-2.) | | | | |
| | The valid domain values for this element are as follows: | | | | |
| | <u>Domain Value</u> <u>Meaning</u> | | | | |
| | 1 Immediate action | | | | |
| | 2 Urgent action | | | | |
| | 3 Routine action or record type | | | | |
| | 7 Event type | | | | |
| 0249 | technical-directive-document-task-type-code | C | F | | 1 |
| | A code used to distinguish the type of technical directive. (Source of requirements: NAVAIR 00-25-300, NAVAIRINST 5215.10D.) | | | | |
| | The valid domain values for this element are as follows: | | | | |

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|------|---|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | Domain Value Meaning | | | | |
| | B Bulletin | | | | |
| | C Formal change | | | | |
| | I Interim change | | | | |
| | R Rapid Actions Minor Engineering Change | | | | |
| 0250 | modification-work-order-document-maintenance-level-code | C | F | | 1 |
| | The code that indicates the echelon level of maintenance required to complete the work defined by the MWO. (Source of requirements: AR 750-1.) | | | | |
| | The valid domain values for this element are as follows: | | | | |
| | <u>Domain Value</u> <u>Meaning</u> | | | | |
| | D Depot | | | | |
| | F Direct Support | | | | |
| | H General Support | | | | |
| 0251 | engineering-drawing-document-note-identifier | I | R | | 3 |
| | The identifier of a notation in a series of notations on an engineering drawing or in a separate parts list document and provides a cross reference between the series of notations, the graphical view of the part or assembly being described by the drawing, and the parts and materials included in the parts list. The number is unique within a single engineering drawing or parts list document. (Source of requirements: MIL-STD-100.) | | | | |
| 0252 | engineering-drawing-document-note-text | C | L | | 500 |
| | The text which is a notation on an engineering drawing or in a separate parts list document. (Source of requirements: MIL-STD-100.) | | | | |
| 0253 | modification-instruction-document-task-description-text | C | L | | 300 |
| | A summary description of the purpose of a specific modification instruction. | | | | |
| 0254 | technical-directive-document-maintenance-level-code | C | F | | 1 |
| | The code that indicates the echelon level of maintenance associated with the technical directive implementation. (Source of requirements: MIL-D-81992.) | | | | |
| | The valid domain values for this element are as follows: | | | | |
| | <u>Domain Value</u> <u>Meaning</u> | | | | |
| | C Contractor | | | | |
| | D Depot | | | | |
| | I Intermediate | | | | |
| | O Organizational | | | | |
| 0255 | limited-duration-technical-order-document-maintenance-level-code | C | F | | 1 |
| | The code that is associated with the echelon level of maintenance required to implement the TCTO. (Source of requirements: AFMCP 66-16.) | | | | |
| | The valid domain values for this element are as follows: | | | | |
| | <u>Domain Value</u> <u>Meaning</u> | | | | |
| | D Depot level | | | | |
| | I Intermediate or organizational level | | | | |

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size | | | | | | | | | | | | | | | | | | | | |
|--|--|---------------------|----------------|-----|---|-----|---|-----|--------------------------------------|-----|--|-----|--|-----|------------------------|-----|---------------------------|-----|--------------------------|-----|-----------------------------|--|--|--|--|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — | | | | | | | | | | | | | | | | | | | | |
| 0256 | rapid-action-change-order-document-change-type-code A code used to distinguish rapid action change documents as interim or formal. (Source of requirements: MIL-M-81748.) | C | L | | 2 | | | | | | | | | | | | | | | | | | | | |
| The valid domain values for this element are as follows: | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table><tr><th><u>Domain Value</u></th><th><u>Meaning</u></th></tr><tr><td>IA</td><td>Interim Rapid Action Change [order] (RAC) issued as a message</td></tr><tr><td>IB</td><td>Interim RAC issued as a speed letter</td></tr><tr><td>II</td><td>Formal RAC</td></tr></table> | <u>Domain Value</u> | <u>Meaning</u> | IA | Interim Rapid Action Change [order] (RAC) issued as a message | IB | Interim RAC issued as a speed letter | II | Formal RAC | | | | | | | | | | | | | | | | |
| <u>Domain Value</u> | <u>Meaning</u> | | | | | | | | | | | | | | | | | | | | | | | | |
| IA | Interim Rapid Action Change [order] (RAC) issued as a message | | | | | | | | | | | | | | | | | | | | | | | | |
| IB | Interim RAC issued as a speed letter | | | | | | | | | | | | | | | | | | | | | | | | |
| II | Formal RAC | | | | | | | | | | | | | | | | | | | | | | | | |
| 0257 | engineering-document-special-condition-code A code which indicates that a special material or process is applicable. (Source of requirements: MIL-STD-100, PL 102-484.) | C | L | | 4 | | | | | | | | | | | | | | | | | | | | |
| The valid domain values for this element are as follows: | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table><tr><th><u>Domain Value</u></th><th><u>Meaning</u></th></tr><tr><td>CSI</td><td>Critical Safety Item (see MIL-STD-882)</td></tr><tr><td>CSP</td><td>Critical Safety Process (see MIL-STD-882)</td></tr><tr><td>ENI</td><td>Environmental Impact item or process</td></tr><tr><td>ESD</td><td>Electrostatic Discharge Sensitive Device (see MIL-STD-1686 and DOD-HDBK-263)</td></tr><tr><td>ESS</td><td>Environmental Stress Screening (see MIL-HDBK-2164)</td></tr><tr><td>HCI</td><td>Hardness Critical Item</td></tr><tr><td>HCP</td><td>Hardness Critical Process</td></tr><tr><td>OCI</td><td>Observable Critical Item</td></tr><tr><td>OCP</td><td>Observable Critical Process</td></tr></table> | <u>Domain Value</u> | <u>Meaning</u> | CSI | Critical Safety Item (see MIL-STD-882) | CSP | Critical Safety Process (see MIL-STD-882) | ENI | Environmental Impact item or process | ESD | Electrostatic Discharge Sensitive Device (see MIL-STD-1686 and DOD-HDBK-263) | ESS | Environmental Stress Screening (see MIL-HDBK-2164) | HCI | Hardness Critical Item | HCP | Hardness Critical Process | OCI | Observable Critical Item | OCP | Observable Critical Process | | | | |
| <u>Domain Value</u> | <u>Meaning</u> | | | | | | | | | | | | | | | | | | | | | | | | |
| CSI | Critical Safety Item (see MIL-STD-882) | | | | | | | | | | | | | | | | | | | | | | | | |
| CSP | Critical Safety Process (see MIL-STD-882) | | | | | | | | | | | | | | | | | | | | | | | | |
| ENI | Environmental Impact item or process | | | | | | | | | | | | | | | | | | | | | | | | |
| ESD | Electrostatic Discharge Sensitive Device (see MIL-STD-1686 and DOD-HDBK-263) | | | | | | | | | | | | | | | | | | | | | | | | |
| ESS | Environmental Stress Screening (see MIL-HDBK-2164) | | | | | | | | | | | | | | | | | | | | | | | | |
| HCI | Hardness Critical Item | | | | | | | | | | | | | | | | | | | | | | | | |
| HCP | Hardness Critical Process | | | | | | | | | | | | | | | | | | | | | | | | |
| OCI | Observable Critical Item | | | | | | | | | | | | | | | | | | | | | | | | |
| OCP | Observable Critical Process | | | | | | | | | | | | | | | | | | | | | | | | |
| 0258 | document-parts-list-entry-priority-indicator-code A code which denotes whether the parts list entry depicts a preferred or alternate component. | C | F | | 1 | | | | | | | | | | | | | | | | | | | | |
| The valid domain values for this element are as follows: | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table><tr><th><u>Domain Value</u></th><th><u>Meaning</u></th></tr><tr><td>A</td><td>Alternate component</td></tr><tr><td>P</td><td>Preferred component</td></tr></table> | <u>Domain Value</u> | <u>Meaning</u> | A | Alternate component | P | Preferred component | | | | | | | | | | | | | | | | | | |
| <u>Domain Value</u> | <u>Meaning</u> | | | | | | | | | | | | | | | | | | | | | | | | |
| A | Alternate component | | | | | | | | | | | | | | | | | | | | | | | | |
| P | Preferred component | | | | | | | | | | | | | | | | | | | | | | | | |
| | part-priority-indicator-code A code which denotes whether the parts list entry depicts a preferred or alternate component. | C | F | | 1 | | | | | | | | | | | | | | | | | | | | |
| The valid domain values for this element are as follows: | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table><tr><th><u>Domain Value</u></th><th><u>Meaning</u></th></tr><tr><td>A</td><td>Alternate component</td></tr><tr><td>P</td><td>Preferred component</td></tr><tr><td>S</td><td>Substitute component</td></tr></table> | <u>Domain Value</u> | <u>Meaning</u> | A | Alternate component | P | Preferred component | S | Substitute component | | | | | | | | | | | | | | | | |
| <u>Domain Value</u> | <u>Meaning</u> | | | | | | | | | | | | | | | | | | | | | | | | |
| A | Alternate component | | | | | | | | | | | | | | | | | | | | | | | | |
| P | Preferred component | | | | | | | | | | | | | | | | | | | | | | | | |
| S | Substitute component | | | | | | | | | | | | | | | | | | | | | | | | |
| 0259 | document-parts-list-entry-sequence-identifier The identifier of a particular line item entry for a single find number in a parts list. The identifier indicates the relative ordering of the parts list line items for presentation. (Source of requirements: ISO 10303-232.) | I | F | | 3 | | | | | | | | | | | | | | | | | | | | |
| 0260 | engineering-drawing-document-proposed-entry-change-type-code A code which denotes the type of proposed change to an entry in a parts list (either integral or separate) or note. | C | F | | 1 | | | | | | | | | | | | | | | | | | | | |

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|--------------------------------------|----------------------|-------|-------|-------|-------|
| Definition and Legal Values (if any) | | _____ | _____ | _____ | _____ |

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|--|
| A | Added entry |
| C | Changed entry (replace current information with new information) |
| D | Deleted entry |
| N | No change |

| | | | | |
|---|---|---|---|---|
| 0261 | engineering-drawing-document-proposed-change-type-code | C | F | 1 |
| A code which denotes the type of a proposed change to part number defined by a drawing or in the text associated with a find number which represent its components. | | | | |

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|-----------------------------|
| A | Added part number or note |
| C | Changed part number or note |
| D | Deleted part number or note |
| N | No change |

| | | | | |
|------|---|---|---|----|
| 0263 | engineering-change-proposal-document-unusual-effect-name | C | L | 30 |
| | The name of the unusual factor which is impacted by the proposed ECP. | | | |

| | | | | |
|------|--|---|---|----|
| 0266 | document-source--assigned-alphanumeric-identifier | C | L | 32 |
| | <p>The document identifier that represents the identification number of, and primary reference to, a document within the domain of all documents of similar type identified by a particular source. The field size of this data element has been set to allow for future growth; users should refer to the appropriate source document to determine the field size currently allowed for a specific role. Only uppercase letters, numbers, dash (-), virgule (/), colon(:), decimal (.), and parentheses () are allowed.</p> | | | |

document-source-assigned-alphanumeric-identifier

The document identifier that represents the unique identification number of, and primary reference to, a document within the domain of all documents of similar type identified by a particular source. Users should refer to the appropriate source document to determine the field size and allowable values currently allowed for a specific use.

| | | | |
|--|--|---|---|
| 0267 | julian-year-period-day-identifier | I | 3 |
| <p>The ordinal number that represents a specific 24-hour period of time within the range starting on the first day of January and ending on the last day of December in the Julian calendar system. The acceptable range of values is 1 through 366. (Source of requirements: ISO 8601, ISO 10303-41.)</p> | | | |

| | | | |
|--|---|---|---|
| 0268 | julian-month-period-day-identifier | I | 2 |
| <p>The ordinal number that represents a specific 24-hour period of time within the range starting on the first day of a month and ending on the last day of a month in the Julian calendar system. The acceptable range of values is 1 through 31. (Source of requirements: ISO 8601, ISO 10303-41.)</p> | | | |

| | | | |
|---|--|---|---|
| 0269 | julian-week-period-day-identifier | I | 1 |
| <p>The ordinal number that represents a specific 24-hour period of time within the range starting on the first day of a week and ending on the last day of a week in the Julian calendar system. The acceptable range of values is 1 through 7. (Source of requirements: ISO 8601, ISO 10303-41.)</p> | | | |

The valid domain values for this element are as follows:

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Definition and Legal Values (if any)
Type Jst Dec Size

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|----------------|
| 1 | Monday |
| 2 | Tuesday |
| 3 | Wednesday |
| 4 | Thursday |
| 5 | Friday |
| 6 | Saturday |
| 7 | Sunday |

- 0270 **julian-year-period-week-code** I 2
 The ordinal number that represents a specific 7-day period of time within the Gregorian calendar system. The acceptable range of values is 1 through 53. The first week of the year (week 1) is the week that contains the first Thursday of the year. This is equivalent to saying that week 1 contains the date January 4th. (Source of requirements: ISO 8601, ISO 10303-41.)
- 0271 **human-appellation--prefix-text** C L 4
 The abbreviation, word, or group of words, which specify a person's social and/or professional standing and appear before his or her name. For example: Mr., Ms., Dr. (Source of requirement: ISO 10303-41.)
- 0272 **human-appellation-suffix-text** C L 4
 The abbreviation, word, or group of words, which specify a person's social and/or professional standing and appear after his or her name. For example: Sr., Jr., III, MD, DDS. (Source of requirement: ISO 10303-41.)
- 0273 **human-middle-appellation-sequence-identifier** I 1
 A digit representing the order in which the middle names of a person are used. (Source of requirement: ISO 10303-41.)
- 0274 **human-appellation-affix-sequence-identifier** I 1
 A digit representing the order in which the prefixes and/or suffixes to a person's name of are used. For example: Dr. Mrs. John M. Smith. (Source of requirement: ISO 10303-41.)
- 0275 **human-appellation-affix-type-code** C F 1
 A code that denotes the type of affix to be appended to a person's name. (Source of requirement: ISO 10303-41.) This DED is used in the following Entity(s): 009.

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|----------------|
| P | Prefix |
| S | Suffix |

- 0320 **engineering-change-proposal-cost-type-code** C F 1
 A code that denotes the type of cost estimate being submitted as an attached document to the ECP.

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|---|
| F | Future costs/savings: Costs or savings attributable to planned program purchases which are not yet on contract and to operation and support activities over the projected operational life of the purchased units |
| U | Costs/savings under contract: Costs or savings that will be incorporated into the existing |

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APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|------|--|--|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | defined in ISO 6523; officially-issued ICDs can be found at Table C.1, Annex C (informative), ISO 13584-26. | | | | |
| 0324 | international-code-designator-name | C | L | | 250 |
| | The complete name of the Registration Authority identified by the unique international-code-designator (ICD) conforming to ISO/IEC 6523, Information Technology - Structure for the Identification of Organizations and Organization Parts. Registration Authorities, their approved ICDs, and their official names, are listed in Table C.1, Annex C (Informative), ISO 13584-26. | | | | |
| 0326 | document-representation-medium-identification-code | C | F | | 1 |
| | A code that indicates a document representation is digital, or indicates the non-digital medium in which a document representation is available or being released for its intended use. | | | | |
| | The valid domain values for this element are as follows: | | | | |
| | <u>Domain Value</u> | <u>Meaning</u> | | | |
| | C | Punch cards. | | | |
| | D | Digital. | | | |
| | O | Other. | | | |
| | P | Paper. | | | |
| | S | Stable-base material. | | | |
| | V | Video tape. | | | |
| 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code | C | L | | 4 |
| | A code that identifies the organization which certifies enterprise identifier code lists. | | | | |
| | The valid domain values for this element are as follows: | | | | |
| | <u>Domain Value</u> | <u>Meaning</u> | | | |
| | ANSI | American National Standards Institute | | | |
| | DLA | Defense Logistics Agency | | | |
| | ISO | International Standards Organization | | | |
| 0328 | enterprise-identifier-code-list-identifier-code | C | L | | 4 |
| | A code that identifies a certified enterprise identifier code list. | | | | |
| | The valid domain values for this element are as follows: | | | | |
| | <u>Domain Value</u> | <u>Meaning</u> | | | |
| | CAGE | Commercial and Government Entity list certified by DLA | | | |
| | ASD | Accredited Standards Developers list certified by ANSI | | | |
| | ICD | (International Code Designator) codes given in ISO 13584-26, Annex C, Table C.1. | | | |
| 0329 | enterprise-identifier-code | C | L | | 35 |
| | A code from a certified enterprise identifier code list. | | | | |
| 0330 | identification-of-area-affected | | | | |
| | The area that an engineering change proposal will impact if approved. | | | | |
| | The valid domain values for this element are as follows: | | | | |
| | <u>Domain Value</u> | <u>Meaning</u> | | | |
| | activation-schedule | The effect the proposed change has on the product activation schedule in quantitative terms. | | | |

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| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
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| | <u>Definition and Legal Values (if any)</u> | _____ | _____ | _____ | _____ |
| contract-maintenance | The effect the proposed change has on the scope or cost of contractor maintenance specified in the contract. | | | | |
| critical-single-point-failure-items | The effect the proposed change has on any 'critical single point failure' items. | | | | |
| electromagnetic-interference facilities | The effect the proposed change has on the susceptibility to electromagnetic interference in quantitative terms. | | | | |
| gfe-or-gfd | The effect of the proposed change on revised or new facilities requirements and activation plans. | | | | |
| interim-support-plan | The effect of the proposed change on Government Furnished Equipment, Material, or Data (changed, modified or obsolete). | | | | |
| interoperability | The effect of the proposed change on the interim support plan (extension/revision) | | | | |
| maintainability | The effect of the proposed change on product interoperability in quantitative terms. | | | | |
| maintenance-concept | The effect of the proposed change on product maintainability. | | | | |
| maintenance-training | The effect of the proposed change on maintenance concept and plans, including all maintenance levels. | | | | |
| nomenclature | The effect of the proposed change on maintenance training requirements, including new courses in terms of equipment, trainers and training software. | | | | |
| omt-software | The effect of the proposed change on product nomenclature. | | | | |
| operating-procedures | The effect of the proposed change on Operation, Maintenance and Training Software. | | | | |
| operator-training | The effect of the proposed change on operating procedures, | | | | |
| parts-control-program | The effect of the proposed change on operator training requirements, including new courses in terms of training equipment, personnel, and training software. | | | | |
| performance-of-the-product | The effect of the proposed change on the parts control program. | | | | |
| personnel | The effect of the proposed change on product performance. | | | | |
| phst | The effect of the proposed change on personnel requirements, including additions or deletions to operator or maintenance manpower in terms of personnel skill levels, knowledge, and numbers required to support the product. | | | | |
| reliability | The effect of the proposed change on product packaging, handling, storage or transportability as a result of changes to materials, dimensions, fragility, inherent environment or operation conditions. | | | | |
| rework-required-to-other-equipment | The effect of the proposed change on product reliability in quantitative terms. | | | | |
| safety | The effect of the proposed change on other equipment that will require rework. | | | | |
| service-life | The effect of the proposed change on product safety in quantitative terms. | | | | |
| software-other-than-omt | The effect of the proposed change on product service life in quantitative terms. | | | | |
| spare-parts | The effect of the proposed change on computer programs and related resources other than operational, maintenance and training software. (For example: acceptance test, software development tools) including changes to existing code and/or resources, or the addition of new software. | | | | |
| support-equipment | The effect of the proposed change on spare and/or repair parts, including added, changed, modified, or obsolete requirements. | | | | |
| survivability | The effect of the proposed change on support equipment, including test procedures and software, and identifies revised, additional or obsolete items. | | | | |
| system-test-procedures | The effect of the proposed change on product survivability (including nuclear survivability) in quantitative terms. | | | | |
| tech-manuals | The effect of the proposed change on system test procedure(s), including changes, updates and new procedures. | | | | |
| | The effect of the proposed change on technical manuals, including the | | | | |

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| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
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| | <u>Definition and Legal Values (if any)</u> | _____ | _____ | _____ | _____ |

| | |
|---------------------------|--|
| warranty | identification of required new manuals. |
| weight-balance-stability- | The effect of the proposed change on product warranties or guarantees. |
| (aircraft) | The effect of the proposed change on aircraft weight, balance and/or stability |

0331 **rfd-element-name**

The name of the element in the RFD packet in which a referenced or supportive document is identified.

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|-----------------------------|----------------|
| summary-of-description- | |
| of-change | |
| summary-of-need-for- | |
| deviation | |
| effect-on-delivery-schedule | |
| effect-on-acquisition- | |
| logistics | |
| summary-of-corrective- | |
| action | |
| rfd-price-consideration- | |
| rationale | |

0332 **ecp-element-name**

The name of the element in the ECP packet in which a referenced or supportive document is identified.

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|-----------------------------|----------------|
| summary-of-description- | |
| of-change | |
| summary-of-need-for- | |
| change | |
| summary-of-effect | |
| effect-on-delivery-schedule | |
| consequences-of- | |
| disapproval | |

0333 **stock-number-type**

C L 10

The code that represents the type of stock number assigned to a product.

The valid domain values for this element are : 'NSN', 'UPC', 'Commercial'.

0500 **surrogate-key-identifier**

I

A Surrogate key is a key which by definition requires that it not have a 'business' meaning and is used to uniquely identify a record in a table. While not required to be built on a single field, in practice it always is. In order for Referential Integrity code to be correct, it requires that the Primary keys of the tables be built on a single key, but does not require that they have no 'business' meaning.

Since in practice a Surrogate key is built on a single field, Referential Integrity code will work. They provide a

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| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |

systematic, generic centrally managed approach which ensures that all records are unique within a table. They provide non-complex Foreign and Primary keys. It is unnecessary to change keys when there is a change in the business data. Surrogate keys are hidden from the user as they are automatically generated and maintained.

The following are different roles of the surrogate key being used in this model.

administrative-contracting-officer-human-personal-identifier-sur-key

The personal-identifier-sur-key of the administrative contracting officer assigned to a contract. Reference DED 0069.

application-activity-enterprise-division-identifier-sur-key

The surrogate key that identifies an activity (for example: organization, company) and specific division or office which is not the current document change authority designated for configuration control of a document, or document representation, but which has incorporated the document into one or more of its baselines for use on the program(s) under its control, or into one or more of its products, or is in the process of reviewing a document or document representation for suitability for use in one or more of its baselines, programs or products. Application activities can provide approval for use of a document or a change to a document; however, this approval is limited to the program(s) for which it is responsible. Application activities cannot direct incorporation of a change into the document. Application activities cannot approve or direct implementation of a proposed change which is disapproved by the current document change authority. Reference DEDs 0044 and 0052.

application-list-drawing-document-alphanumeric-identifier-sur-key

The surrogate key that identifies the document identifier that represents the unique identification number of, and primary reference to, a application list drawing within the domain of all documents identified by a particular source. Reference DEDs 0008 or 0266.

application-list-drawing-document-alphanumeric-revision-identifier-sur-key

The surrogate key that identifies the specific revision, in a series of revisions, to a application list drawing. Reference DED 0009.

approved-engineering-change-proposal-document-alphanumeric-identifier-sur-key

The surrogate key that identifies the document identifier that represents the unique identification number of, and primary reference to, an (approved) Engineering Change Proposal document within the domain of all documents identified by a particular source. Reference DEDs 0176 and 0266.

approved-engineering-change-proposal-document-alphanumeric-revision-identifier-sur-key

The surrogate key that identifies the specific revision, in a series of revisions, to an ECP that has been approved. Reference DEDs 0009, 0062, or 0082.

approved-engineering-change-proposal-document-source-enterprise-defense-logistics--assigned-identification-sur-key

The surrogate key that identifies the CAGE code that represents and/or denotes the organization whose number is used to identify an ECP that has been approved. Reference DED 0001.

assembled-material-product-generic-identifier-sur-key

The surrogate key that provides the identification of an assembly which is not identified by a part number and which is an assembly of other materials (or discrete parts). Reference DED (0266 or 0008) or 0191.

assembled-material-product-identifier-sur-key

The surrogate key that provides the identification of a material (or discrete part) which is not identified by a part number and which is used as an assembly. Reference DEDs 0036 and 0037.

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assembled-product-design-enterprise-defense-logistics--assigned-identification-sur-key

The surrogate key that identifies the CAGE code which represents and/or denotes the organization whose number is used to identify the design of an assembly. Reference DED 0001.

assembly-design-enterprise-identifier-sur-key

The surrogate key that uniquely identifies for the design activity of an assembly. Reference DEDs 0001, 0170, or (0323 and 0322).

assembly-engineering-drawing-document-alphanumeric-identifier-sur-key

The surrogate key that identifies the document identifier which represents the unique identification number of, and primary reference to, an engineering drawing (within the domain of all documents identified by a particular source) which is an assembly level engineering drawing reflecting the integrated configuration of multiple components and materials. Reference DED 0008 or 0266.

assembly-manufacturer-enterprise-defense-logistics--assigned-identification-sur-key

The surrogate key that identifies the CAGE code which represents and/or denotes the organization whose number is used to identify the manufacturer of an assembly. Reference DED 0001.

assembly-model-database-document-generic-revision-identifier-sur-key

The surrogate key that identifies the revision/version of a database of an assembly model. Reference DED 0009.

assembly-part-component-quantity-sur-key

The surrogate key that identifies the unit quantity of a material item required in an assembly. Reference DED 0053.

changed-technical-manual-document-identifier-sur-key

The surrogate key identifier of a specific change to a specific revision of a specific technical manual or order. Reference DED 0008 or 0266.

comment-file-originator-human-personal-identifier-sur-key

The personal-identifier-sur-key of the person who first created a particular file which contains comments on another file as part of the review process. Reference DED 0069.

commercial-document-source-enterprise-sur-key

The surrogate key that identifies the unique name of the company or other commercial enterprise which is the source of the document and its identification. Reference DEDs 0001, 0002, 0069, 0170, or (0323 and 0322).

commercial-enterprise-sur-key

The surrogate key that identifies the name of the company or other commercial enterprise that produces products or services. Reference DED 0170. See Figure C-1.

component-index-list-drawing-document-alphanumeric-identifier-sur-key

The surrogate key that identifies the document identifier which represents the unique identification number of, and primary reference to, an index list drawing (within the domain of all documents identified by a particular source) which is a component part of a higher-level index list drawing. Reference DED 0266.

component-index-list-drawing-document-alphanumeric-revision-identifier-sur-key

The surrogate key that identifies the specific revision, in a series of revisions, to an index list which is a component of a higher-level document. Reference DED 0009.

component-index-list-drawing-document-source-enterprise-defense-logistics--assigned-identification-sur-key

The surrogate key that identifies the CAGE code which represents and/or denotes the organization whose

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|-----|---|------|-----|-----|------|
| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | number is used to identify an index list drawing which is a component on a higher level index list drawing. Reference DED 0001. | | | | |
| | component-material-design-enterprise-identifier-sur-key | | | | |
| | The surrogate key that identifies the design enterprise for a material (or discrete part) which is not identified by a part number and which is used as a component of a higher level assembly. Reference DEDs 0001, 0170, or (0323 and 0322). | | | | |
| | component-material-manufacturer-enterprise-defense-logistics—assigned-identification-sur-key | | | | |
| | The surrogate key that identifies the CAGE code which represents and/or denotes a company or organization which is the manufacturer of a material used as a component in a higher level part or material. Reference DED 0001. | | | | |
| | component-material-product-generic-identifier-sur-key | | | | |
| | The surrogate key that identifies the identification of a material (or discrete part) which is not identified by a part number and which is used as a component of a higher level assembly. Reference DEDs 0170 and (0008 or 0266) or 0191. | | | | |
| | component-material-product-identifier-sur-key | | | | |
| | The surrogate key that identifies the identification of a material (or discrete part) which is not identified by a part number and which is used as a component of a higher level assembly. Reference DEDs 0036 and 0037. | | | | |
| | component-part-design-enterprise-identifier-sur-key | | | | |
| | The surrogate key that identifies the design enterprise for a part which is used as a component of a higher level assembly. Reference DEDs 0001, 0170, or (0323 and 0322). | | | | |
| | component-part-manufacturer-enterprise-defense-logistics—assigned-identification-sur-key | | | | |
| | The surrogate key that identifies the CAGE code which represents and/or denotes a manufacturer of a part which is used as a component of a higher level assembly or in a regrouped lot of parts. Reference DED 0001. | | | | |
| | component-part-model-database-document-generic-revision-identifier-sur-key | | | | |
| | The surrogate key that identifies the revision of a database of a component part model. Reference DED 0009. | | | | |
| | component-software-product-united-states-air-force--assigned-designation-identifier-sur-key | | | | |
| | The surrogate key, assigned by the U.S. Air Force (OC-ALC/MMEDUE), that identifies a computer software configuration item (CSCI) and which uniquely identifies a specific revision and version of a CSCI, or CSCI engineering documentation package, and, the country for which it was prepared. Reference DEDs 0169, 0177, 0179, 0182, 0183, 0188, 0221, and 0236. | | | | |
| | configuration-control-board-convening-enterprise-identifier-sur-key | | | | |
| | The surrogate key that identifies the enterprise which sponsors the configuration control board. Reference DEDs 0001, 0002, 0170, or (0323 and 0322). | | | | |
| | contract-data-requirement-list-document-form-approver-human-personal-identifier-sur-key | | | | |
| | The personal-identifier-sur-key that identifies the person who approves the CDRL form entry, or modification for use. Reference DED 0069. | | | | |
| | contract-data-requirement-list-document-form-preparer-human-personal-identifier-sur-key | | | | |
| | The personal-identifier-sur-key that identifies the person who prepared the CDRL form entry, or modification | | | | |

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| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | for use. Reference DED 0069. | | | | |
| | contract-data-submittal-document-dispositioner-human-personal-identifier-sur-key | | | | |
| | The personal-identifier-sur-key that identifies the person who dispositions the contract data item submittal. Reference DED 0069. | | | | |
| | contract-data-submittal-document-resubmittal-requirement-identifier-sur-key | | | | |
| | The surrogate key that completely identifies the disapproved data item submittal which necessitated the submittal of a revised data item. Reference DED 0266. | | | | |
| | contract-data-submittal-document-resubmittal-revision-identifier-sur-key | | | | |
| | The surrogate key that completely identifies the disapproved revision of the data item submittal which necessitated the submittal of a revised data item. Reference DED 0120. | | | | |
| | contract-data-submittal-document-resubmittal-source-enterprise-sur-key | | | | |
| | The surrogate key that identifies the enterprise which disapproved the data item submittal which necessitated the submittal of a revised data item. Reference DED 0002. | | | | |
| | contract-document-alphanumeric-identifier-sur-key | | | | |
| | The surrogate key that identifies the document identifier which represents the complete and unique identification number of, and primary reference to, a contract. This includes delivery orders under indefinite delivery contracts, orders under basic ordering agreements, and calls under blanket purchase orders. This is one type of agreement-identifier. Reference DED 0266. | | | | |
| | contract-document-identifier-sur-key | | | | |
| | The surrogate key that identifies the document identifier which represents the complete and unique identification of a contract, purchase order, or other procurement instrument. Reference DED 0266. | | | | |
| | contract-document-revision-identifier-sur-key | | | | |
| | The surrogate key that identifies the revision identifier used to indicate an agreed upon and approved change or modification to the contract document. Reference DED 0120. | | | | |
| | contract-document-source-enterprise-sur-key | | | | |
| | The surrogate key that identifies the design enterprise identified in a contract document. Reference DED 0002. | | | | |
| | contractor-human-personal-identifier-sur-key | | | | |
| | The personal-identifier-sur-key that identifies the person who represents the contracted company. Reference DED 0069. | | | | |
| | controlling-document-alphanumeric-identifier-sur-key | | | | |
| | The surrogate key that identifies the document identifier which represents the unique identification number of, and controlling reference to, an industry standard (within the domain of all documents identified by a particular source) when a joint application exists. Reference DED 0008 or 0266. | | | | |
| | controlling-document-source-enterprise-acronym-identification-sur-key | | | | |
| | The surrogate key that identifies the identifying abbreviation or acronym code which represents and/or denotes an organization or enterprise which has issued the controlling document which a different organization or enterprise has identified by an alias and issued. Reference DED 0002. | | | | |
| | controlling-index-list-drawing-document-alphanumeric-identifier-sur-key | | | | |
| | The surrogate key that identifies the document identifier which represents the unique identification number of, and primary reference to, an index list drawing (within the domain of all documents identified by a particular source) which is the primary, or parent, index list drawing in a relationship with lower-tier index list drawings. Reference DED 0266. | | | | |

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| | <u>Definition and Legal Values (if any)</u> | _____ | _____ | _____ | _____ |
| | controlling-index-list-drawing-document-alphanumeric-revision-identifier-sur-key | | | | |
| | The surrogate key that identifies which represents a specific revision, in a series of revisions to, an index list drawing which is the controlling, or parent, index list drawing in a relationship with lower-tier index list drawings. Reference DED 0009. | | | | |
| | controlling-index-list-drawing-document-source-enterprise-defense-logistics--assigned-identification-sur-key | | | | |
| | The surrogate key that identifies the CAGE code which represents and/or denotes the organization whose number is used to identify the index list drawing which is the primary, or parent, index list drawing in a relationship with lower-tier index list drawings. Reference DED 0001. | | | | |
| | copyright-owner-entity-identifier-sur-key | | | | |
| | The surrogate key that uniquely identifies an organization or person that has ownership of the copyright for an item (for example: software or a document). Reference DED 0170. | | | | |
| | current-deviation-request-document-alphanumeric-identifier-sur-key | | | | |
| | The surrogate key that identifies the document identifier which represents the unique identification number of, and primary reference to, a Request for Deviation (within the domain of all documents identified by a particular source) which is the most current request in a list of recurring requests for deviation. Reference DED 0266. | | | | |
| | current-deviation-request-document-source-enterprise-defense-logistics--assigned-identification-sur-key | | | | |
| | The surrogate key that identifies the CAGE code which represents and/or denotes the organization whose number is used to identify the Request for Deviation which is the most current request in a list of recurring requests for deviation. Reference DED 0001. | | | | |
| | data-item-description-document-alphanumeric-identifier-sur-key | | | | |
| | The surrogate key that identifies the document identifier which represents the unique identification number of, and primary reference to, a data item description (DID) within the domain of all documents identified by a particular source. Reference DED 0008 or 0266. | | | | |
| | data-item-description-document-identifier-sur-key | | | | |
| | The surrogate key that identifies which represents the complete and unique identification of, and primary reference to, a Data Item Description (DID) document that describes the requirements for generating contract data items. Reference DED 0008 or 0266. | | | | |
| | data-list-drawing-document-alphanumeric-identifier-sur-key | | | | |
| | The surrogate key that identifies the document identifier that represents the unique identification number of, and primary reference to, a data list drawing within the domain of all documents identified by a particular source. Reference DED 0008 or 0266. | | | | |
| | data-list-drawing-document-alphanumeric-revision-identifier-sur-key | | | | |
| | The surrogate key that identifies the specific revision, in a series of revisions, to a data list drawing. Reference DED 0009. | | | | |
| | defense-contract-management-command-contact-human-personal-identifier-sur-key | | | | |
| | The personal-identifier-sur-key that identifies the Defense Contract Management Command contact on the program. Reference DED 0069. | | | | |
| | defense-contract-management-enterprise-office-address-text-sur-key | | | | |
| | The surrogate key that identifies the address of the Defense Contract Management Command. Reference DEDs 0001, 0002, 0170, or (0323 and 0322) and (044 and 0134). | | | | |
| | design-enterprise-acronym-identification-sur-key | | | | |

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| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | <p>The surrogate key that identifies the acronym which represents and/or denotes the organization which is the design organization for a part or material. The design organization assigns the number which is used to identify the part or material. Reference DED 0002.</p> | | | | |
| | <p>design-enterprise-defense-logistics--assigned-identification-sur-key</p> <p>The surrogate key that identifies the CAGE code which represents and/or denotes the organization whose number is used to identify the document, software or part. Reference DED 0001.</p> | | | | |
| | <p>design-enterprise-identifier-sur-key</p> <p>The surrogate key that identifies the organization whose number is used to identify the document, software, material, or part. Reference DEDs 0001, 0002, 0170, or (0323 and 0322).</p> | | | | |
| | <p>design-enterprise-name-sur-key</p> <p>The surrogate key that identifies the name of a company which is responsible for design of a part or material. Reference DEDs 0001, 0002, 0069, 0170, or (0323 and 0322).</p> | | | | |
| | <p>deviation-implementation-process-required-action-responsible-enterprise-identifier-sur-key</p> <p>A surrogate key that uniquely identifies the company or organization responsible for assuring implementation of a particular required action resulting from an approved RFD. Reference DEDs 0001, 0002, 0170, or (0323 and 0322).</p> | | | | |
| | <p>deviation-request-document-alphanumeric-identifier-sur-key</p> <p>The surrogate key that identifies the document identifier which represents the unique identification number of, and primary reference to, a Request for Deviation within the domain of all documents identified by a particular source. Reference DED 0266.</p> | | | | |
| | <p>deviation-request-document-alphanumeric-revision-identifier-sur-key</p> <p>The surrogate key that identifies the specific revision, in a series of revisions, to a Request for Deviation. Reference DEDs 0009 or 0082.</p> | | | | |
| | <p>deviation-request-document-source-enterprise-defense-logistics--assigned-identification-sur-key</p> <p>The surrogate key that identifies the CAGE code which represents and/or denotes the organization whose number is used to identify the Request for Deviation. Reference DED 0001.</p> | | | | |
| | <p>document-alphanumeric-identifier-sur-key</p> <p>The surrogate key that identifies the document identifier that represents the unique identification number of, and primary reference to, a document within the domain of all documents identified by a particular source. Reference DED 0008 or 0266.</p> | | | | |
| | <p>document-alphanumeric-revision-identifier-sur-key</p> <p>The surrogate key that identifies the specific revision, in a series of revisions, to a document or a portion of the document (that is, sheet) to indicate that the document has been modified or changed. The designator will normally be sequentially assigned. Reference DEDs 0009, 0062, 0082, 0120, or 0244.</p> | | | | |
| | <p>document-change-control-authority-identifier-sur-key</p> <p>The surrogate key that identifies when an entity becomes the current document change authority for a document. Reference DEDs 0044, 0059, 0111, 0151, and either (0001, 0002, 0170, or (0323 and 0322)).</p> | | | | |
| | <p>document-current-change-control-authority-identifier-sur-key</p> <p>The surrogate key that identifies the activity (organization, author, company, configuration control board) which is currently responsible for the technical content of the document and, therefore, is the sole authority for approval of changes to the document. Reference DEDs 0044, 0059, 0111, 0151, and either (0001, 0002, 0170,</p> | | | | |

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or (0323 and 0322).

document-current-generic-revision-identifier-sur-key

The surrogate key that identifies the current specific revision, in a series of revisions, to a document. This identifier is used in contrast to the superseded document revision which is replaced as the result of ECP approval. Reference DED 0009.

document-custodial-entity-identifier-sur-key

The surrogate key that identifies the name of the organization or enterprise that is responsible for custodial control over a document. This is the design agency or contractor responsible for the physical security, maintenance, and modification of the document. Reference DEDs 0001, 0002, 0069, 0170, or (0323 and 0322).

document-distribution-controller-enterprise-identifier-sur-key

The surrogate key that uniquely identifies the organization that has control over distribution of the document. Reference DEDs 0001, 0002, 0069, 0170, or (0323 and 0322).

document-file-originator-human-personal-identifier-sur-key

The personal-identifier-sur-key that identifies the person who first created a particular file which is part of a particular document representation. Reference DED 0069.

document-generic-revision-identifier-sur-key

The surrogate key that identifies the specific revision, in a series of revisions, to a document or a portion of the document (that is, sheet) to indicate that the document has been modified or changed. The designator may be a date or may be a sequentially assigned letter or number or similar identifier. Reference DEDs 0009, 0062, or 0082. See Figure C-3.

document-identifier-sur-key

The surrogate key that uniquely identifies a document identifier which represents the unique identification number of, and primary reference to, a document within the domain of all documents. Reference DED 0008 or 0266. See Figure C-2 and Table C-1.

document-origination-entity-identifier-sur-key

The surrogate key that identifies the person or enterprise that was responsible for the original generation of the document. This is independent of, but usually the same as, the design activity or design source that becomes part of the document's unique identification when combined with the document identifier. Reference DEDs 0001, 0002, 0069, 0170, or (0323 and 0322).

document-representation-release-process-dispositioner-human-personal-identifier-sur-key

The personal-identifier-sur-key that identifies the person who dispositions a document representation as part of the document representation release process. Reference DED 0069.

document-representation-revision-originator-entity-identifier-sur-key

The surrogate key that identifies the person or organization which is responsible for the creation of a document representation. Reference DEDs 0001, 0002, 0069, 0170, or (0323 and 0322).

document-revision-approval-process-dispositioner-human-personal-identifier-sur-key

The personal-identifier-sur-key that identifies the person who dispositions a document as part of the document approval process. Reference DED 0069.

document-source-enterprise-defense-logistics--assigned-identification-sur-key

The surrogate key that identifies the CAGE code which identifies the enterprise whose number is used to

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| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | identify a document. Reference DED 0001. | | | | |
| | document-source-enterprise-identifier-sur-key | | | | |
| | The unique and primary surrogate key that identifies the enterprise which is the source of the identifier of a document. Reference DEDs 0001, 0002, 0170, or (0323 and 0322). | | | | |
| | document-source-entity-identifier-sur-key | | | | |
| | The surrogate key that identifies the person, company, or organization which is the source of the identifier assigned to a document. Reference DEDs 0001, 0002, 0170, or (0323 and 0322). | | | | |
| | document-source-organization-identifier-sur-key | | | | |
| | The unique and primary surrogate key identifier of the industry, professional, military or other organization which is the source of the document and its identification. Reference DEDs 0001, 0002, 0170, or (0323 and 0322). | | | | |
| | document-superseded-generic-revision-identifier-sur-key | | | | |
| | The surrogate key identifier which represents the specific revision, in a series of revisions, to a document. This identifier is used in contrast to the new document revision which is assigned as the result of ECP approval. Reference DED 0009 or 0082. | | | | |
| | engineering-change-implementation-process-required-action-responsible-enterprise-identifier-sur-key | | | | |
| | A unique surrogate key that identifies the company or organization responsible for assuring implementation of a particular required action resulting from an approved ECP. Reference DEDs 0001, 0002, 0170, or (0323 and 0322). | | | | |
| | engineering-change-proposal-document-alphanumeric-identifier-sur-key | | | | |
| | The surrogate key that identifies the document identifier which represents the unique identification number of, and primary reference to, an Engineering Change Proposal document within the domain of all documents identified by a particular source. Reference DED 0266. | | | | |
| | engineering-change-proposal-document-alphanumeric-revision-identifier-sur-key | | | | |
| | The surrogate key that identifies the specific revision, in a series of revisions, to an ECP. Reference DEDs 0009, 0062, or 0082. | | | | |
| | engineering-change-proposal-document-source-enterprise-defense-logistics--assigned-identification-sur-key | | | | |
| | The surrogate key that identifies the CAGE code which represents and/or denotes the organization whose number is used to identify an ECP. Reference DED 0001. | | | | |
| | engineering-drawing-document-alphanumeric-identifier-sur-key | | | | |
| | The surrogate key that identifies the document identifier which represents the unique identification number of, and primary reference to, an engineering drawing within the domain of all documents identified by a particular source. Reference DED 0008 or 0266. | | | | |
| | engineering-drawing-document-current-alphanumeric-revision-identifier-sur-key | | | | |
| | The surrogate key that identifies the specific revision, in a series of revisions, to an engineering drawing. This identifier is used in contrast to the drawing revision which is assigned as a result of ECP approval. Reference DEDs 0009, 0062, or 0082. | | | | |
| | engineering-drawing-document-sheet-alphanumeric-revision-identifier-sur-key | | | | |

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The surrogate key that identifies the specific revision, in a series of revisions, to a specific sheet of a multi-sheet engineering drawing. Reference DEDs 0009, 0062, or 0082.

enterprise-administrative-contracting-office-address-text-sur-key

The surrogate key that identifies the text string defining the address of the administrative contracting officer for a contract. Reference DEDs 0001, 0002, 0170, or (0323 and 0322) and

enterprise-comment-file-origination-office-address-text-sur-key

The surrogate key that identifies the address of the originator of a comment file. Reference DEDs 0044, 0134, and either (0001, 0002, 0170, or (0323 and 0322)).

enterprise-defense-logistics--assigned-identification-sur-key

The surrogate key that identifies the standard code which represents and/or denotes a commercial or Government entity or enterprise that manufactures and/or controls the design of items supplied to a Government Agency. Reference DED 0001. See Figure C-1.

enterprise-document-file-origination-office-address-text-sur-key

The surrogate key that identifies the enterprise and office address of the person who is the originator of a particular electronic file which is part of a particular document representation. Reference DEDs 0044, 0134, and either (0001, 0002, 0170, or (0323 and 0322)).

enterprise-file-origination-office-address-text-sur-key

The surrogate key that identifies the address of the enterprise division which first created a particular electronic file. Reference DEDs 0044, 0134, and either 0001, 0002, 0170, or (0323 and 0322).

enterprise-file-review-office-address-text-sur-key

The surrogate key that identifies the address of the enterprise and office to which a document reviewer is assigned. Reference DEDs 0044, 0134, and either 0001, 0002, 0170, or (0323 and 0322).

enterprise-identifier-sur-key

A surrogate key that identifies the generic identifier for an enterprise which refers to either a Supplier Code, a CAGE/NSCM Code, an acronym for a standards organization, or a company name. Reference DED 0050 and 0052. See Figure C-1.

enterprise-office-address-text-sur-key

A surrogate key that identifies the string of text consisting of the concatenation of an enterprise-identifier, an optional enterprise-division-name, and a surrogate identifier for the enterprise address. Reference DEDs 0044, 0134, and either 0001, 0002, 0170, or (0323 and 0322).

enterprise-procuring-contracting-office-address-text-sur-key

The surrogate key that identifies the text string defining the address of the procuring contracting officer for a contract. Reference DEDs 0044, 0134, and either (0001, 0002, 0170, or (0323 and 0322)).

entity-identifier-sur-key

A surrogate key that identifies the generic data element which refers to the identification of an organization or person. See enterprise-identifier, and human-personal-identifier data elements. No reference DEDs. See Figure C-1 and Table C-I.

file-originator-human-personal-identifier-sur-key

The personal-identifier-sur-key that identifies the person who first created a particular electronic file. Reference DED 0069.

file-reviewer-human-personal-identifier-sur-key

The personal-identifier-sur-key that identifies the person who reviews a particular electronic file. Reference DED 0069.

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| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | generic-revision-sur-key | | | | |
| | The surrogate key that identifies the revision of the document being identifies. Reference DEDs 0009, 0062, 0082, 0120, or 0244. | | | | |
| | graphic-engineering-drawing-document-alphanumeric-identifier-sur-key | | | | |
| | The surrogate key that identifies the document identifier that represents the unique identification number of, and primary reference to, a graphical engineering drawing within the domain of all documents identified by a particular source. Reference DED 0008 or 0266. | | | | |
| | graphic-engineering-drawing-document-alphanumeric-revision-identifier-sur-key | | | | |
| | The surrogate key that identifies the specific revision, in a series of revisions, to a specific sheet of a multi-sheet graphic drawing (that is, a drawing which does not have an integral part list). Reference DED 0009. | | | | |
| | human-personal-identifier-sur-key | | | | |
| | The surrogate key that identifies the specific revision, in a series of revisions, to a program-peculiar specification. Reference DED 0069. See Figure C-1. | | | | |
| | indentured-data-list-drawing-document-alphanumeric-identifier-sur-key | | | | |
| | The surrogate key that identifies the document identifier that represents the unique identification number of, and primary reference to, a indentured data list drawing within the domain of all documents identified by a particular source. Reference DED 0008 or 0266. | | | | |
| | indentured-data-list-drawing-document-alphanumeric-revision-identifier-sur-key | | | | |
| | The surrogate key that identifies the specific revision, in a series of revisions, to a indentured data list drawing. Reference DED 0009. | | | | |
| | index-list-drawing-document-alphanumeric-identifier-sur-key | | | | |
| | The surrogate key that identifies the document identifier which represents the unique identification number of, and primary reference to, an index list drawing within the domain of all documents identified by a particular source. Reference DEDs 0176 and either 0008 or 0266. | | | | |
| | index-list-drawing-document-alphanumeric-revision-identifier-sur-key | | | | |
| | The surrogate key that identifies the document identifier which represents the unique identification number of, and primary reference to, a program-unique specification within the domain of all documents identified by a particular source. Reference DED 0009, 0062, or 0082. | | | | |
| | index-list-drawing-document-design-enterprise-defense-logistics—assigned-identification-sur-key | | | | |
| | The surrogate key that identifies the CAGE code which represents and/or denotes the design agency or organization whose number is used to identify an index list drawing. Reference DED 0001. | | | | |
| | manufacturer-enterprise-defense-logistics--assigned-identification-sur-key | | | | |
| | The surrogate key that identifies the CAGE code which represents and/or denotes the organization that has manufactured or is manufacturing the item. Reference DED 0001. | | | | |
| | material-document-identifier-sur-key | | | | |
| | A surrogate key that identifies a document which defines a material. Reference DED 0008 or 0266. See Figure C-2. | | | | |

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material-product-generic-identifier-sur-key

A surrogate key that identifies the material identifier that may be the name or an arbitrary number which identifies a material. Reference 0191 and (0008 or 0266). See Figure C-6.

material-product-identifier-sur-key

The identifier for materials or discrete parts which are not identified by a part number. The identifier consists of a string of paired material types and material names. Reference DEDs 0036 and 0037.

material-product-vendor--assigned-identifier-sur-key

The surrogate key that identifies a material as assigned by the original design agency. Reference DEDs 0036 and 0037.

modification-instruction-document-alphanumeric-identifier-sur-key

A surrogate key that identifies the design enterprise identifier for a material for which a substitute or superseding part or material has been identified. Reference DEDs 0001, 0002, 0069, 0170, or (0323 and 0322).

modification-instruction-document-identifier-sur-key

The surrogate key that identifies the document identifier which represents the unique identification of, and primary reference to, a modification instruction document within the domain of all documents identified by a particular source. Reference DED 0008 or 0266.

modification-instruction-document-source-entity-identifier-sur-key

A surrogate key that identifies the organization or person who is the source of the identification assigned to a modification instruction document. Reference DEDs 0001, 0002, 0069, 0170 or (0323 and 0322).

modification-kit-product-identifier-sur-key

The surrogate key that identifies a design enterprise for a part for which a substitute or superseding part or material has been identified. Reference DEDs 0001, 0170, or (0323 and 0322).

modified-material-product-generic-identifier-sur-key

A surrogate key that identifies the material identifier for a material identifier that has been modified from the originally manufactured material identifier but which has the same product-tracking base-identifier as the original material identifier. Reference DEDs 0036, 0037, and 0191.

modified-material-product-identifier-sur-key

A surrogate key that identifies the material identifier of a material identifier that has been modified from the originally manufactured material identifier but with the same product-tracking base-identifier as the original material identifier. Reference DEDs 0036 and 0037.

modified-product-design-enterprise-identifier-sur-key

The surrogate key that identifies an enterprise (either a CAGE/NSCM Code, an acronym for a standards organization, or a company name) whose identifying number (or name) is used to identify a part or material which has been modified into a different part number or material identifier with the same product-tracking base-identifier. Reference DEDs 0001, 0170, or (0323 and 0322).

organization-identifier-sur-key

The surrogate key that identifies an organization. Reference DEDs 0002 or 0170. See Figure C-1.

original-design-enterprise-identifier-sur-key

The surrogate key that identifies the design activity originally associated with a part or material which has subsequently been modified into a different part number or material. Reference DEDs 0001, 0170, or (0323 and 0322).

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original-material-product-generic-identifier-sur-key

The surrogate key that identifies the original identifier of a material which has been modified into a different material or lot. Reference DEDs 0191 and (0008 or 0266).

original-material-product-identifier-sur-key

The surrogate key that identifies the original identifier of a material (not identified by a part number) which has been modified into a different material. Reference DEDs 0036 and 0037.

part-component-quantity-sur-key

The surrogate key that identifies the quantity of a component. Reference DED 0053.

part-model-database-document-generic-revision-identifier-sur-key

The surrogate key that identifies the revision/version of a part model. Reference DED 0009.

parts-list-drawing-document-alphanumeric-identifier-sur-key

The surrogate key that identifies the document identifier which represents the unique identification number of, and primary reference to, a parts list drawing within the domain of all documents identified by a particular source. Reference DED 0008 or 0266.

parts-list-drawing-document-alphanumeric-revision-identifier-sur-key

The surrogate key that identifies the specific revision, in a series of revisions, to a parts list drawing.

parts-list-drawing-document-source-enterprise-defense-logistics—assigned-identification-sur-key

The surrogate key that identifies the CAGE code which represents and/or denotes the design organization whose number is used to identify a parts list drawing. Reference DED 0001.

performing-activity-enterprise-technical-monitor-division-identifier-sur-key

The surrogate key that identifies the performing activity enterprise and division, or office, responsible for performing the role of technical monitor for a contract. Reference DEDs 0001, 0002, 0170, or (0323 and 0322).

performing-enterprise-contact-office-office-address-text-sur-key

The surrogate key that identifies the address of the point-of-contact for the performing activity (seller) in a contract. Reference DEDs 0044, 0134, and either 0001, 0002, 0170, or (0323 and 0322).

performing-enterprise-identifier-sur-key

The surrogate key that identifies the organization, company or agency which is tasked to perform specified actions, usually by means of a contract, purchase order or other procurement instrument. Reference DEDs 0001, 0002, 0170, or (0323 and 0322).

primary-engineering-change-proposal-document-alphanumeric-identifier-sur-key

The surrogate key that identifies the document identifier which represents the unique identification number of, and primary reference to, an ECP (within the domain of all documents identified by a particular source) which is the primary ECP in a group of related ECPs which must be implemented together. Reference DED 0266.

primary-engineering-change-proposal-document-alphanumeric-revision-identifier-sur-key

The surrogate key that identifies the revision of the document identifier which represents the unique identification number of, and primary reference to, an ECP (within the domain of all documents identified by a particular source) which is the primary ECP in a group of related ECPs which must be implemented together. Reference DEDs 0009 or 0082.

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| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | primary-engineering-change-proposal-document-source-enterprise-defense-logistics--assigned-identification-sur-key | | | | |
| | The surrogate key that identifies the CAGE code which represents and/or denotes the organization whose number is used to identify the ECP which is the primary ECP in a group of related ECPs which must be implemented together. Reference DEDs 0001 or (0323 and 0322). | | | | |
| | prior-deviation-request-document-alphanumeric-identifier-sur-key | | | | |
| | The surrogate key that identifies the document identifier which represents the unique identification number of, and primary reference to, a prior approved Request for Deviation (within the domain of all documents identified by a particular source) for a recurring problem. Reference DED 0266. | | | | |
| | prior-deviation-request-document-alphanumeric-revision-identifier-sur-key | | | | |
| | The surrogate key that identifies a prior deviation for a specific revision, in a series of revisions, to a Request for Deviation. Reference DEDs 0009 or 0082. | | | | |
| | prior-deviation-request-document-source-enterprise-defense-logistics--assigned-identification-sur-key | | | | |
| | The surrogate key that identifies the CAGE code which represents and/or denotes the organization or enterprise of a prior approved Request for Deviation for a recurring problem. Reference DEDs 0001 or (0323 and 0322). | | | | |
| | product--tracking-base--identifier-sur-key | | | | |
| | The surrogate key that identifies the unchanging identifier which defines a group of like or similar items which must be independently managed by the assignment and tracking of serial or lot numbers. Reference DEDs 0024, or 0045, or 0103, or (0008 or 0266), or (0050 and 0052), or (0191, 0036 and 0037), or (0036 and 0037). See Figure C-7. | | | | |
| | product-measurement-unit-sur-key | | | | |
| | The surrogate key that identifies the code used as an abbreviation for the type of units that regulate the measurement of parts and materials. Reference DED 0054. | | | | |
| | product-procuring-contracting-officer-human-personal-identifier-sur-key | | | | |
| | The personal-identifier-sur-key that identifies the procuring contracting officer as it appears on an Engineering Change Proposal or Request for Deviation. Reference DED 0069. | | | | |
| | program--unique-specification-document-alphanumeric-identifier-sur-key | | | | |
| | The surrogate key that identifies the document identifier which represents the unique identification number of, and primary reference to, a program-unique specification within the domain of all documents identified by a particular source. Reference DED 0008 or 0266. | | | | |
| | program--unique-specification-document-alphanumeric-revision-identifier-sur-key | | | | |
| | The surrogate key that identifies the specific revision, in a series of revisions, to a program-peculiar specification. Reference DED 0009. | | | | |
| | program-higher-level-configuration-control-board-enterprise-identifier-sur-key | | | | |
| | A surrogate key that identifies the generic identifier for an enterprise which refers the configuration control board. Reference DEDs 0059, 0151 and either 0001, 0002, 0170, or (0323 and 0322). | | | | |
| | proposed-engineering-change-proposal-document-alphanumeric-identifier-sur-key | | | | |
| | The surrogate key that identifies the document identifier that represents the unique identification number of, and primary reference to, a (proposed) Engineering Change Proposal document within the domain of all documents identified by a particular source. Reference DED 0266. | | | | |

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| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | proposed-engineering-change-proposal-document-alphanumeric-revision-identifier-sur-key | | | | |
| | The surrogate key that identifies the specific revision, in a series of revisions, to a proposed ECP. Reference DEDs 0009 or 0082. | | | | |
| | proposed-engineering-change-proposal-document-source-enterprise-defense-logistics--assigned-identification-sur-key | | | | |
| | The surrogate key that identifies the CAGE code that represents and/or denotes the organization whose number is used to identify a proposed ECP. Reference DEDs 0001 or (0323 and 0322). | | | | |
| | proprietary-data-rights-commercial-enterprise-name-sur-key | | | | |
| | The surrogate key that identifies the name of a company which claims proprietary rights to data, documents or information. Reference DED 0170. | | | | |
| | referenced-document-generic-revision-identifier-sur-key | | | | |
| | The surrogate key that identifies a specific revision, in a series of revisions, to a document which is included as a document. Reference DED 0009. | | | | |
| | regrouped-lot-manufacturer-enterprise-defense-logistics--assigned-identification-sur-key | | | | |
| | The surrogate key that identifies the CAGE code which represents and/or denotes the manufacturer that has formed a new lot of a part (or material) by consolidating small lots of the same part (or material). Reference DED 0001. | | | | |
| | remanufacturer-enterprise-defense-logistics--assigned-identification-sur-key | | | | |
| | The surrogate key that identifies the CAGE code which represents and/or denotes a manufacturer that re-worked or re-manufactured a part (or material) into a different part number (or material identifier) from as originally manufactured, for example: part XYZ-1 re-manufactured into an XYZ-2. Reference DED 0001. | | | | |
| | replaced-material-product-design-enterprise-identifier-sur-key | | | | |
| | A surrogate key that identifies the design enterprise identifier for a material for which a substitute or superseding part or material has been identified. Reference DEDs 0001, 0170 or (0323 and 0322). | | | | |
| | replaced-material-product-generic-identifier-sur-key | | | | |
| | A surrogate key that identifies a material for which a substitute or superseding part or material has been identified. Reference DEDs 0191, (0008 or 0266). | | | | |
| | replaced-material-product-identifier-sur-key | | | | |
| | A surrogate key that identifies the material identifier for which a substitute or superseding part or material has been identified. Reference DEDs 0036 and 0037. | | | | |
| | replaced-part-product-design-enterprise-identifier-sur-key | | | | |
| | The surrogate key that identifies a design enterprise for a part for which a substitute or superseding part or material has been identified. Reference DEDs 0001, 0170, or (0323 and 0322). | | | | |
| | revised-technical-manual-document-alphanumeric-revision-identifier-sur-key | | | | |
| | The surrogate key that identifies a specific change in a series of changes to the initial issue or to a revision of a technical manual or order. Reference DED 0082. | | | | |
| | revised-technical-manual-document-identifier-sur-key | | | | |
| | The surrogate key that identifies a specific revision of a specific technical manual or order. Reference DED 0008 or 0266. | | | | |

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| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | revision-notice-document-alphanumeric-identifier-sur-key | | | | |
| | The surrogate key that identifies the document identifier which represents the unique identification number of, and primary reference to, a Notice of Revision (NOR) within the domain of all documents identified by a particular source. Reference DED 0008 or 0266. | | | | |
| | revision-notice-document-alphanumeric-revision-identifier-sur-key | | | | |
| | The surrogate key that identifies the specific revision, in a series of revisions, to a Notice of Revision. Reference DED 0009. | | | | |
| | revision-notice-document-source-enterprise-defense-logistics—assigned-identification-sur-key | | | | |
| | The surrogate key that identifies the CAGE code which represents and/or denotes the organization whose number is used to identify a NOR. Reference DED 0001. | | | | |
| | software-product-alphanumeric-identifier-sur-key | | | | |
| | The surrogate key that identifies a specific software release when the software-dash number paradigm is used for software identification. Reference DED 0008 or 0266. | | | | |
| | software-product-basic-suffix-alphanumeric-identifier-sur-key | | | | |
| | The surrogate key that identifies the specific significant release of a software program or database within a family of related releases of the software program or database. Reference DEDs 0190 and 0222. | | | | |
| | software-product-generic-identifier-sur-key | | | | |
| | The surrogate key that identifies a software application or database product. It may be a part number, software number, or application/database identifier (name or number) and release number. Reference DEDs 0024, or (0190 and 0222), or (0062 and 0266). See Figures C-4. | | | | |
| | software-product-identification-sur-key | | | | |
| | The surrogate key that identifies the different ways of identifying software. Reference DEDs 0024, or (0190 and 0222), or (0062 and 0266). | | | | |
| | software-product-identifier-sur-key | | | | |
| | The surrogate key that uniquely identifies a software product by means of a software name (or number) and a release level. Reference DEDs 0024, or (0190 and 0222), or (0062 and 0266). | | | | |
| | software-product-source-entity-identifier-sur-key | | | | |
| | The surrogate key that identifies the person, company, or organization which is the source of the identifier assigned to a software program or database. Reference DEDs 0001, 0002, 0069, 0170, or (0323 and 0322). | | | | |
| | software-product-united-states-air-force--assigned-designation-identifier-sur-key | | | | |
| | The surrogate key that identifies the identifier assigned by the U.S. Air Force (OC-ALC/MMEDUE) to a computer software configuration item (CSCI) and which uniquely identifies a specific revision and version of a CSCI, combination of CSCIs, or CSCI engineering documentation package, and, the country for which it was prepared. Reference DEDs 0169, 0177, 0179, 0182, 0183, 0188, 0221, 0236, 0238, (0024, or (0190 and 0222), or (0062 and 0266)), and (0001, 0002, 0069, 0170, or (0323 and 0322)). | | | | |
| | software-product-version-identifier-sur-key | | | | |
| | A surrogate key that identifies the version/revision of the software product. The version number and/or letter is used to indicate a particular release of the software. Reference DED 0062. | | | | |
| | software-support-document-generic-revision-identifier-sur-key | | | | |
| | The surrogate key that identifies the specific revision, in a series of revisions, to a software support document. Reference DEDs 0009 or 0062. | | | | |

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software-support-document-identifier-sur-key

The surrogate key that identifies the document identifier which represents the unique title or alphanumeric identifier of, and primary reference to, a specific document (within the domain of all documents identified by a particular source) in the set of software documentation that supports a software product. Reference DED 0008 or 0266.

software-support-document-source-entity-identifier-sur-key

The surrogate key that identifies the author or enterprise which is the source of the identifier assigned to a software support document. Reference DEDs 0001, 0002, 0069, 0170, or (0323 and 0322).

software-version-description-document-alphanumeric-identifier-sur-key

The surrogate key that identifies the document identifier which represents the unique identification number of, and primary reference to, a software version description document (VDD) within the domain of all documents identified by a particular source. Reference DED 0008 or 0266.

substitute-material-product-design-enterprise-identifier-sur-key

The surrogate key that identifies the design enterprise for a material which may be substituted for another part or material without specific approval because it is 1) authorized as a substitute or superseding material in a military specification or standard, a non-government standard, or a government or non-government stock list, or 2) is identified as an interchangeable replacement or superseding material on the engineering drawing for the part or material being replaced, or 3) the material replaces a part or material, the use of which must be discontinued due to public law. Reference DEDs 0001, 0170, or (0323 and 0322).

substitute-material-product-generic-identifier-sur-key

A surrogate key that identifies a material which may be substituted for another material or part without specific approval because it is 1) authorized as a substitute or superseding part in a military specification or standard, a non-government standard, or a government or non-government stock list, or 2) is identified as an interchangeable replacement or superseding part on the engineering drawing for the part being replaced, or 3) the part replaces a part, the use of which must be discontinued due to public law. Reference DEDs 0191 (0008 or 0266).

substitute-material-product-identifier-sur-key

A surrogate key that identifies a material which may be substituted for another material or part without specific approval because it is 1) authorized as a substitute or superseding part in a military specification or standard, a non-government standard, or a government or non-government stock list, or 2) is identified as an interchangeable replacement or superseding part on the engineering drawing for the part being replaced, or 3) the part replaces a part, the use of which must be discontinued due to public law. Reference DEDs 0036 and 0037.

substitute-part-product-design-enterprise-identifier-sur-key

A surrogate key that identifies the design enterprise of a part which may be substituted for another part or material without specific approval because it is 1) authorized as a substitute or superseding part in a military specification or standard, a non-government standard, or a government or non-government stock list, or 2) is identified as an interchangeable replacement or superseding part on the engineering drawing for the part being replaced, or 3) the part replaces a part, the use of which must be discontinued due to public law. Reference DEDs 0001, 0170, or (0323 and 0322).

supplier-name-sur-key

The surrogate key that identifies the international designator codes and associated organizations. Reference DEDs 0323 and 0322. See Figure C-1.

tasking-activity-enterprise-technical-monitor-division-identifier-sur-key

The surrogate key that identifies the tasking activity enterprise and division, or office, responsible for performing the role of technical monitor over a contract. Reference DEDs 0001, 0002, 0170, or (0323 and

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| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | 0322). | | | | |
| | technical-manual-document-revision-issue-date-sur-key | | | | |
| | The surrogate key that identifies the date on which a technical manual, or revised technical manual, was officially issued for use. This is the document date. Reference DED 0082. | | | | |
| | technical-manual-document-supplement-set-effective-date-sur-key | | | | |
| | The surrogate key that identifies the date that a particular set of supplements to a technical manual are all current. A new set date is established each time a supplement is issued or cancelled. Reference DED 0082. | | | | |
| | technical-manual-operational-supplement-document-sequential-identifier-sur-key | | | | |
| | The surrogate key that identifies a specific operational supplement in a sequence of operational supplements to a specific technical manual/order at a specific revision and change. Reference DED 0082. | | | | |
| | technical-manual-page-supplement-document-sequential-identifier-sur-key | | | | |
| | The surrogate key that identifies a specific page supplement in a sequence of page supplements to a specific technical manual/order at a specific revision and change. Reference DED 0082. | | | | |
| | technical-manual-routine-supplement-document-sequential-identifier-sur-key | | | | |
| | The surrogate key that identifies a specific routine supplement in a sequence of routine supplements to a specific technical manual/order at a specific revision and change. Reference DED 0082. | | | | |
| | technical-manual-safety-supplement-document-sequential-identifier-sur-key | | | | |
| | The surrogate key that identifies a specific safety supplement in a sequence of safety supplements to a specific technical manual/order at a specific revision and change. Reference DED 0082. | | | | |
| | top-level-document-source-entity-sur-key | | | | |
| | The surrogate key that identifies the person, company, or organization which is the source of the identifier assigned to the top level document. Reference DEDs 0001, 0002, 0069, 0170, or (0323 and 0322). | | | | |
| | top-level-document-sur-key | | | | |
| | The surrogate key that identifies the documents top level identifier that represents the unique identification number of, and primary reference to, a document within the domain of all documents identified by a particular source. Reference DED 0008 or 0266. | | | | |
| | unit-of-measure-sur-key | | | | |
| | The surrogate key that identifies the code used as an abbreviation for the type of units that regulate the measurement of parts and materials. Reference DED 0054. | | | | |
| | united-states-defense-department-document-source-enterprise-acronym-identification-sur-key | | | | |
| | The surrogate key that identifies the acronym which represents and/or denotes the U.S. DoD organization whose number is used to identify the document. Reference DED 0002. | | | | |
| | wire-list-drawing-document-alphanumeric-identifier-sur-key | | | | |
| | The surrogate key that identifies the document identifier that represents the unique identification number of, and primary reference to, a wire list drawing within the domain of all documents identified by a particular source. Reference DED 0008 or 0266. | | | | |
| | wire-list-drawing-document-alphanumeric-revision-identifier-sur-key | | | | |
| | The surrogate key that identifies the specific revision, in a series of revisions, to a wire list drawing. Reference | | | | |

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| DED 0009. | | | | | |
| | work-statement-document-identifier-sur-key | | | | |
| | The surrogate key that identifies a statement of work document. Reference DED 0266. | | | | |
| | work-statement-revision-identifier-sur-key | | | | |
| | The surrogate key that identifies the revision level of a statement of work document. Reference DEDs 0009 or 0120. | | | | |
| | work-statement-source-entity-identifier-sur-key | | | | |
| | The surrogate key that identifies the enterprise associated with a statement of work document. | | | | |
| 0600 | {}-group | | | | |
| | Allows the naming of a collection of attributes which can be applied using a single object. These objects are used when the same group of attributes need to be applied to many elements of either the same or different classes. These attributes are not stored in a database and therefore do not comply with data element naming conventions. | | | | |
| | affected-asset-class | | | | |
| | The elements that provides the identification of the Ship/Vehicle/Platform Class and it's geographical location for the purpose of proposed retrofit action. This group consists of the 'asset-identifier' (DED 0031) and the 'asset-location' (DED 0600) group. | | | | |
| | affected-document-identification | | | | |
| | The elements that provides the identification of a document affected by engineering change actions. This group consists of the 'affected-document-identifier-source' (DED 0600) group, the 'document-source-assigned-alphanumeric-identifier' (DED 0266) and the 'affected-document-revision' (DED 0600) group. | | | | |
| | affected-document-identifier-source | | | | |
| | The elements that provides the identification of the source for a document affected by engineering change actions. This group consists of a choice between the 'human-personal-identifier' (DED 0600) group and the 'enterprise-identifier' (DED 0600) group. | | | | |
| | affected-document-revision | | | | |
| | The elements that provides the identification of the revision level of an affected document. This group consists choice between 'document-alphanumeric-revision-identifier' (DED 0009) and a 'revision-date-time' (DED 0600) group. | | | | |
| | affected-document-sheet-management | | | | |
| | The elements used to identify whether a document is multi-sheet being maintained at the single sheet revision level or is non-page managed. This group consists of a choice between the 'single-sheet-or-non-sheet-managed' (DED 0600) group or the 'multi-sheet-managed' (DED 0600) group. | | | | |
| | affected-product-identification | | | | |
| | The elements that provides the identification of products affected by an engineering change action. This group consists of a choice between the 'part-identification' (DED 0600) group and the 'software-identification' (DED 0600) group. | | | | |
| | altered-item-identification | | | | |
| | The elements that provides the identification of altered parts. This group consists of the 'altered-item-identifier-source' (DED 0600) group and the 'product-identifier' (DED 0024). | | | | |
| | altered-item-product-source-identifier | | | | |
| | The elements that provides the identification of the source of an item that has been altered. This group consists of a choice between the 'human-personal-identifier' (DED 0600) group and the 'enterprise-identifier' (DED | | | | |

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| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |

0600) group.

application-software-based-file-type-information

A set of data groups that provides for the unique identification of the software application. This group consists of the 'application-software-identifier' (DED 0600) group, the 'application-software-source' (DED 0600) group and the 'application-software-revision-level' (DED 0600) group.

application-software-identifier

A grouping of data elements that provides the unique identifier for the software application. This group consists of the 'software-product-identification-paradigm-type-code' (DED 0163) and the 'software-product-identifier' (DED 0600) group.

application-software-revision-level

A grouping of data elements that provides the version identification for a software application. This group consists of the 'revision-identifier-type-code' (DED 0601) and the 'revision-identifier' (DED 0600) group.

application-software-source-identifier

A grouping of data elements that provides the source for software application. This group consists of the 'document-source-identification-type-code' (DED 0100) and the 'entity-identification' (DED 0600) group.

asset-location

The elements that provides the location, quantity of assets and the projected length of time for completion of retrofit as a result of a proposed engineering change proposal. This group consists of 'geographic-place-name' (DED 0029), the 'product-proposed-retrofit-completion-mro' (DED 0081) and the 'product-quantity' (DED 0019).

base-document-identification

The elements that provides the identification of a document. This group consists of the 'document-identifier-source' (DED 0600) group and the 'document-source-assigned-alphanumeric-identifier' (DED 0266).

base-document-identifier

A grouping of data elements that provides the basic identifiers of a document. This group consists of the 'document-source-identifier' (DED 0600) group, the 'document-identifier' (DED 0600) group and the 'document-alias-indicator-code' (DED 0006) base identifier.

basic-document-protection

A grouping of data elements that provides information concerning security, copyright, distribution, export control and data rights associated with a document. This group consists of the 'government-security-classification' (DED 0600) group, the 'copyright-information' (DED 0600) group, the 'distribution-information' (DED 0600) group, the 'document-export-control-code' (DED 0079) and the 'data-rights-information' (DED 0600) group.

budgetary-cost-estimates

The elements that provides the type of cost estimate associated with a Class II engineering change proposals. This group consists of the 'engineering-change-proposal-document-estimated production-cost-amount' (DED 0172) and 'engineering-change-proposal-document-estimated-research-cost-amount' (DED 0172).

changes-to-affected-document

The elements that provide for identification of the proposed changes to a document as identified in an engineering change action. This group consists of a choice between the 'document-specific-proposed-changes-field-text' (DED 0118) and the 'redlined-document-identification' (DED 0600) group with the option for including the 'draft-revised-affected-document' (DED 0600) group.

child

The elements that identify the 'child' in a parent-child relationship. This may be a component part, component

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software or reference document. This group consists of the 'relationship-type' (DED 0048) and 'child-relationship' (DED 0600) group.

child-part

The elements that identify a component part that is the 'child' in a parent-child relationship. This group consists of the 'child-part-identification' (DED 0600) group, the 'part-component-quantity' (DED 0053), the 'part-document-item-identifier' (DED 0027), the 'part-measurement-unit-code' (DED 0054), the 'preferred-alternate-substitute-indicator' (DED 0600) group and the 'part-quantity-estimated-code' (DED 0060).

child-part-identification

The elements that uniquely identify the child part. This group consists of the 'part-identifier' (DED 0600) group and the 'part-identifier-source' (DED 0600) group.

child-relationship

The elements that identify the attributes in a parent-child relationship. This group consists of the 'child-part' (DED 0600) group, the 'reference-document-identification' (DED 0600) group and the 'child-software-identification' (DED 0600) group.

child-software-identification

The elements that uniquely identify the child software. This group consists of the 'child-software-identifier-source' (DED 0600) group and 'product--identifier (DED 0024).

child-software-identifier-source

The elements that identify the person or company that assigned the software identifier. This group consists of a choice between the 'enterprise-identifier' (DED 0600) group or 'human-personal-identifier' (DED 0600) group.

CI-identifier

A grouping of data elements that provides the government assigned Configuration Identifier (CI). This group consists of the 'configuration-item-product-type-code' (DED 0115), the 'configuration-item-designation-convention-document-code' (DED 0051) and the 'configuration-item-product-designation-identifier' (DED 0045).

classification-agreement

The elements used to identify the ECP classification concurrence/non-concurrence and the DCMC organization and representative authorized to make that determination. This group consists of the 'engineering-change-proposal-classification-agreement-code' (DED 0021), the 'classification-agreement-date-time' (DED 0600) group, 'engineering-change-proposal-classification-agreement-authority' (DED 0600) group and the 'classification-authority-office-name' (DED 0044).

classification-agreement-authority

The elements used to identify the DCMC representative that is authorized to concur/nonconcur in the classification of the ECP. This group consists of the 'human-first-given-name' (DED 0067) and the 'human-last-given-name' (DED 0068).

classification-agreement-date-time

The elements used to identify when concurrence/non-concurrence on the classification of the ECP was provided. This group consists of the 'engineering-change-proposal-document-contract-administration-change-class-concurrence-date' (DED 0082) and the 'engineering-change-proposal-document-contract-administration-change-class-concurrence-time' (DED 0160).

classification-information

The elements that provide security classification information concerning a document. This group consists of the 'document-security-classification-authority-text' (DED 0155), 'classified-date-time' (DED 0600) group, 'document-security-access-restriction-code' (DED 0085), 'downgrade-information' (DED 0600) group and

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'declassify-date-time' (DED 0600) group.

classified-date

A grouping of data elements that provide the date that a document or file was classified. This group consists of the 'document-security-classification-date' (DED 0082).

classified-date-time

The elements that provide the date and time that a document or file was classified. This group consists of the 'document-security-classification-date' (DED 0082) and 'document-security-classification-time' (DED 0160).

commonly-used-attributes-of-a-document

The elements that provide the information commonly used to identify a document. This group consists of the 'base-document-identification' (DED 0600) group, the 'document-revision' (DED 0600) group, the 'document-name' (DED 0008), the 'document-preparation-date-time' (DED 0600) group, the 'engineering-document-special-condition-code' (DED 0257), the 'supply-item-hazardous-material-code' (DED 0078), the 'current-document-change-authority' (DED 0600) group, the 'product-defined' (DED 0600) group, the 'related-document' (DED 0600) group, the 'security-protection' (DED 0600) group and the 'sheet-management' (DED 0600) group.

configuration-item-identifier

The elements that provides the Configuration Identifier. This group consists of the 'configuration-item-designation-convention-document-code' (DED 0051), 'configuration-item-product-type-code' (DED 0115) and 'configuration-item-product-designation-identifier' (DED 0045).

contact-data-rights-date-time

The elements that identify the contract date and time associated with the granting of data rights. This group consists of the 'contract date' (DED 0082) and the 'contract- time' (DED 0160).

contract-cost-savings

The elements that provide the identification of the cost impact of an engineering change proposal. This group consists of the 'united-states-defense-component-enterprise-acronym-identification-code' (DED 0002), the 'engineering-change-proposal-cost-type-identifier' (DED 0321) and the 'engineering-change-proposal-document-estimated-cost-amount' (DED 0172).

contract-identification

The elements that provide the identification of the contract associated with an engineering change action. This group consists of the 'contract-identifier-source' (DED 0600) group, the 'document-source-assigned-alphanumeric-identifier' (DED 0266), the 'contract-document-revision-identifier' (DED 0120), the 'contract-document-line-item-identifier' (DED 0017) and the 'contracting-office' (DED 0600) group.

contract-identifier-information-authorizing-government-rights

The elements that provide the identification of the contract in which the data rights is identified. This group consists of the 'data-rights-contract-date-time' (DED 0600) group and 'document-source-assigned-alphanumeric-identifier' (DED 0266).

contract-identifier-source

The elements that provide the originating office identifier for a contract. This group consists of a choice between the 'enterprise-name' (DED 0170) or the 'enterprise-identifier-code' (DED 0600) group.

contracting-officer

The elements that provide the identity of the contracting officer. This group consists of the 'name' (DED 0600) group, the 'contracting-officer-responsible-office-name' (DED 0044) and the 'entity-telephone-address-identifier' (DED 0134).

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| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | contractor-integrated-technical-information-service-information | | | | |
| | The elements that are required to access information residing in a Contracting Integrated Technical Information Service. These elements are site specific and must be defined in the contract if used. | | | | |
| | contractual-authority-suspense | | | | |
| | The elements that provide the suspense date by which an engineering change approval decision is required in order for estimates within the change to be valid. This group consists of the 'production-suspense-date-time' (DED 0600) group and the 'retrofit-suspense-date-time' (DED 0600) group. | | | | |
| | copyright-date-time | | | | |
| | The elements that identify the copyright date and time of a document. This group consists of the 'document-copyright-date' (DED 0082) and the 'document-copyright-time' (DED 0160). | | | | |
| | copyright-information | | | | |
| | The group of data elements that identify the copyright properties associated with a document. This group consists of the 'document-copyright-code' (DED 0012), the 'enterprise-name' (DED 0170) and the 'date-copyright' (DED 0600) group. | | | | |
| | copyright-information-group | | | | |
| | The elements that identify the copyright properties associated with a document. This group consists of the 'document-copyright-code' (DED 0012), the 'copyright-owner-identification' (DED 0600) group, and the 'copyright-date-time' (DED 0600) group. | | | | |
| | copyright-owner-identification | | | | |
| | The elements that provide for identification of the copyright owner. This group consists of a choice between the 'human-personal-identifier' (DED 0600) group, or the 'enterprise-identifier' (DED 0600) group. | | | | |
| | cost | | | | |
| | The elements that provide the identification of the cost summary document and type of savings projected. This group consists of the 'cost-summary' (DED 0600) group and the 'cost-document-identification' (DED 0600) group. | | | | |
| | cost-document-identification | | | | |
| | The elements that provide the identification of the cost document or summary associated with an engineering change action. This group consists of the 'document-identifier-source' (DED 0600) group, the 'document-source-assigned-alphanumeric-identifier' (DED 0266) and the 'document-revision-identification' (DED 0600) group. | | | | |
| | cost-summary | | | | |
| | The elements that provide for the identification of the type of savings projected for an engineering change. This group consists of a choice between the 'contract-cost-saving' (DED 0600) group or the 'future-cost-savings' (DED 0600) group. | | | | |
| | current-document-change-authority | | | | |
| | The elements that provides for the identification of the Current Document Change Authority. This group consists of the 'current-document-change authority-identification' (DED 0600) group and the 'current-document-change-authority-date-time' (DED 0600) group. | | | | |
| | current-document-change-authority-effective-date-time | | | | |
| | The elements that provides the effective date and time for the Current Document Change Authority. This group consists of the 'document-change-control-authority-effective-date' (DED 0082) and the 'document-change-control-authority-effective-time' (DED 0160). | | | | |

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current-document-change-authority-identification

The elements that provides the identity of the Current Document Change Authority. This group consists of the 'current-document-change-authority-identifier' (DED 0600) group and 'enterprise-office-name' (DED 0044).

current-document-change-authority-identifier

The elements that provides for identification of the type of Current document Change Authority. This group consists of a choice between the 'enterprise-name' (DED 0170) or 'enterprise identifier code' (DED 0600) group.

data-rights-information

The elements that provide information concerning data rights. This group consists of the 'technical-document-government-data-rights-code' (DED 0022), the 'document-company-proprietary-data-rights-code' (DED 0084), the 'enterprise-name' (DED 0170) and the 'contract-identifier-information-authorizing-government-rights' (DED 0600) group.

date-time

The elements that identify the specific date and time of a document or event. This group consists of the 'date' (DED 0082) and the 'time' (DED 0160).

declassify-date

The group of data elements that identify the specific date that a document was declassified. This group consists of the 'document-security-declassification-date' (DED 0082).

declassify-date-time

The elements that identify the specific date that a document was declassified. This group consists of the 'document-security-declassification-date' (DED 0082) and the 'document-security-declassification-time' (DED 0160).

defining-document-identifier

The group of data elements that identify the document that defines the part or material. This includes engineering drawings, standards or specifications. This also includes documents that identify processes to manufacture, inspect, select, package, mark. This group consists of the 'document-identification-type-code' (DED 0101) and the 'document-identifier-name--number' (DED 0600) group.

defining-document-entity-identifier

The elements that identify the source of a document that defines a part. A defining document may be an engineering drawing, standard, or specification. This may also include documents that identify processes to manufacture, inspect, select, package, mark, etc. This group consists of a choice between the 'human-personal-identifier' (DED 0600) group or the 'enterprise-identifier' (DED 0600) group.

digital-document-representation-information

The elements that identify an electronic document digital representation. This group consists of the 'document-file-type-code' (DED 0210), the 'target-environment' (DED 0600) group and the 'file-identification' (DED 0600) group.

disposition

The elements that provide the DCMC recommended disposition and current disposition status of the ECP. This group consists of the 'disposition-recommendation' (DED 0600) group and the 'disposition-status' (DED 0600) group.

disposition-authority

The elements that provide the identification of the person that has the disposition authority for an engineering change action. This group consists of the 'human-first-given-name' (DED 0067) and 'human-last-given-name' (DED 0068).

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| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | disposition-recommendation | | | | |
| | The elements used to provide information on the recommended disposition of the ECP. This group consists of the 'engineering-change-proposal-document-recommendation-status-code' (DED 0021), the 'recommendation-status-date-time' (DED 0600) group, the 'recommendation-authority' (DED 0600) group, and the 'engineering-change-proposal-document-recommendation-authority-office-name' (DED 0044). | | | | |
| | disposition-status | | | | |
| | The elements that provide the disposition of a proposed engineering change action. This group consists of the 'disposition-authority' (DED 0600) group, the 'enterprise-office-name' (DED 0044), the 'engineering-change-implementation-process-action-disposition-status-code' (DED 0021) and the 'disposition-status-date-time' (DED 0600) group. | | | | |
| | disposition-status-date-time | | | | |
| | The elements that identify the specific date and time of a document or event. This group consists of the 'document-disposition-status-date' (DED 0082) and the 'document-disposition-status-time' (DED 0160). | | | | |
| | distribution-controlling-office | | | | |
| | The elements that provide the identification of the document distribution controlling office. This group consists of the 'enterprise-identifier-code' (DED 0600) group and the 'enterprise-name' (DED 0170). | | | | |
| | distribution-information | | | | |
| | The elements that provide the distribution statement associated with a document. This group consists of the 'distribution-statement-code' (DED 0600) group and the 'distribution-statement-information' (DED 0600) group. | | | | |
| | distribution-statement-code | | | | |
| | The elements that provide the distribution statement for a document. This group consists of the 'document-distribution-statement-code' (DED 0014) and the 'document-distribution-statement-reason-code' (DED 0015). | | | | |
| | distribution-statement-date--time | | | | |
| | The group of data elements that identify the specific date and time that a document distribution restriction determination was made. This group consists of the 'document-distribution-restriction-determination-date' (DED 0082) and the 'document-distribution-restriction-determination-time' (DED 0160). | | | | |
| | distribution-statement-date-time | | | | |
| | The elements that identify the specific date and time that a document distribution restriction determination was made. This group consists of the 'document-distribution-restriction-determination-date' (DED 0082), and the 'document-distribution-restriction-determination-time' (DED 0160). | | | | |
| | distribution-statement-information | | | | |
| | The elements that provide the controlling office identity and the distribution statement associated with a document. This group consists of 'distribution-statement-date-time' (DED 0600) group, the 'distribution-controlling-office' (DED 0600) group and the 'document-distribution-controller-enterprise-office-name' (DED 0044). | | | | |
| | document-compliance-indicator | | | | |
| | The elements that provide the identity of the DOD component and the source of requirement for a Technical Manual. This element consists of the 'document-format-compliance-indicator-code' (DED 0143), the 'united-states-defense-component-enterprise-acronym-identification-code' (DED 0002) and the 'enterprise-acronym-identification-code' (DED 0002). | | | | |
| | document-identifier | | | | |
| | The group of data elements used to identify a document. This group consists of the 'document-identification-type-code' (DED 0101) and the 'document-identifier name--number' (DED 0600) choice group. | | | | |

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| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | document-identifier-name--number | | | | |
| | The group of data elements used to identify a document. This group consists of a choice between 'document-name' (DED 0008) or 'document-source--assigned-alphanumeric-identifier' (DED 0266). | | | | |
| | document-identifier-source | | | | |
| | The elements that provide the source of a document. This group consists of a choice between the 'human-personal-identifier' (DED 0600) group and the 'enterprise-identifier' (DED 0600) group. | | | | |
| | document-page-management | | | | |
| | The group of data elements used to identify if the document is to be managed as a single sheet or a multi-sheet document. This group consists of a choice between 'non-page-managed-document-representation-information' (DED 0600) group or a 'page-managed-document-representation-information' (DED 0600) group. | | | | |
| | document-revision-status-date | | | | |
| | The group of elements that identify the date and time associated with the document revision status. This group consists of the 'document-revision-approval-process-disposition-status-date' (DED 0082) and 'document-revision-approval-process-disposition-status-time' (DED 0160). | | | | |
| | document-source-identifier | | | | |
| | The group of elements that provides the source of a document. This group consists of the 'document-source-identification-type-code' (DED 0100) and the 'entity-identification' (DED 0600) group. | | | | |
| | document-preparation-date-time | | | | |
| | The elements that provide the document preparation date and time. This group consists of the 'document-preparation-date' (DED 0082) and the 'document-preparation-time' (DED 0160) group. | | | | |
| | document-representation | | | | |
| | The elements that provide the document representation identification. This group consists of the 'document-representation-originator' (DED 0600) group, the 'document-representation-custodian' (DED 0600) group, the 'document-representation-version' (DED 0600) group, the 'document-representation-medium-identification-code' (DED 0326), and the 'representation-medium' (DED 0600) group. | | | | |
| | document-representation-custodian | | | | |
| | The elements that provide the identity of the document representation custodian. This group consists of a choice between the 'enterprise-name' (DED 0170) or the 'enterprise-identifier-code' (DED 0600) group. | | | | |
| | document-representation-originator | | | | |
| | The elements that identify the originator of the document representation. This group consists of a choice between the 'human-personal-identifier' (DED 0600) group or the 'enterprise-identifier' (DED 0600) group. | | | | |
| | document-representation-version | | | | |
| | The elements that provide the identity and status of a document representation version. This group consists of the 'version-identification' (DED 0600) group and the 'version-status' (DED 0600) | | | | |
| | document-revision | | | | |
| | The elements that provide the document revision level and it's status. If it is a multi-sheet document, this revision is the highest level of any sheet in the document. This group consists of the 'revision-identification' (DED 0600) group and the 'document-revision-status' (DED 0600) group. | | | | |
| | document-revision-identification | | | | |
| | The elements that provide the identification of the revision of a document. This group consists of a choice between the 'revision-date-time' (DED 0600) group or 'alphanumeric-revision-identifier' (DED 0009). | | | | |
| | document-revision-status | | | | |
| | The elements used to identify a document revision status and the date that status was reached. This group | | | | |

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| | consists of the 'document-revision-approval-process-disposition-status-code' (DED 0021) and the 'document-revision-status-date-time' (DED 0600) group. | | | | |
| | document-revision-status-date-time | | | | |
| | The elements that provide the date and time that a revision status was reached. This group consists of 'document-revision-approval-process-disposition-status-date' (DED 0082) and the 'document-revision-approval-process-disposition-status-time' (DED 0160). | | | | |
| | downgrade-date | | | | |
| | The group of elements that identify the date of a security classified document downgrade. This group consists of the 'document-security-classification-downgrade-date' (DED 0082). | | | | |
| | downgrade-date-time | | | | |
| | The elements that identify the date and time of a classified document downgrade. This group consists of the 'document-security-classification-downgrade-date' (DED 0082) and the 'document-security-classification-downgrade-time' (DED 0160). | | | | |
| | downgrade-event--date | | | | |
| | The group that identifies the security downgrade of a classified document is either a date-time or an event. This group consists of the 'downgrade-date-time' (DED 0600) group or 'process-event-name' (DED 0156). | | | | |
| | downgrade-event-date-time | | | | |
| | The elements that identify whether the security downgrade of a classified document is a date-time or an event. This group consists of the 'downgrade-date-time' (DED 0600) group or 'document-security-classification-downgrade-process-event-name' (DED 0156). | | | | |
| | downgrade-information | | | | |
| | The elements that provide the details of the downgrade action associated with a classified document. This group consists of the 'document-security-classification-code' (DED 0010), and the 'downgrade-event-date-time' (DED 0600) choice group. | | | | |
| | draft-revised-affected-document | | | | |
| | The elements that provide the identity of a 'draft' of a document affected by an engineering change. This group consists of the 'document-identifier-source' (DED 0600) group, the 'document-source-assigned-alphanumeric-identifier' (DED 0266) and the 'document-revision-identification' (DED 0600) group. | | | | |
| | drawing-document-subsidiary-type | | | | |
| | The elements that denote a specific type of drawing. This group consists of a choice between the 'design-information-drawings-subsidiary-type-code' (DED 0097), the 'hardware-software-drawings-subsidiary-type code' (DED 0124) and the 'administrative-control-drawing-document-type-code' (DED 0032). | | | | |
| | drawing-note | | | | |
| | The elements that provide the drawing note identity and content. This group consists of the 'engineering-drawing-document-note-identifier' (DED 0251) and the 'engineering-drawing-document-note-text' (DED 0252). | | | | |
| | effects-of-this-engineering-change-proposal | | | | |
| | The elements that provide for the identification of the effects of the engineering change proposal on hardware, software, logistics support, etc. This group consists of the 'identification-of-area-affected' (DED 0330), the 'document-proposed-change-effect-field-text' (DED 0118) and the 'related-document' (DED 0600) group. | | | | |
| | engineering-change-proposal-affected-document | | | | |
| | The elements that provide the identification of a document that is affected by an engineering change. This group consists of the 'affected-document-sheet-management' (DED 0600) group, the 'notice-of-revision-identification' (DED 0600) group and 'changes-to-affected-document' (DED 0600) group. | | | | |

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| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |

engineering-change-proposal-affected-product

The elements that provide the identification of the product that is affected by an engineering change. This group consists of the 'affected-product-identification' (DED 0600) group, the 'engineering-change-proposal-document-part-level-code' (DED 0121), the 'product-tracking' (DED 0600) group and the 'retrofit' (DED 0600) group.

engineering-change-proposal-authorizing-this-revision

The elements that provides the identity of the Engineering Change Proposal that authorized the change to a document. This group consists of the 'engineering-change-proposal-identifier-source' (DED 0600) group, the 'document-source-assigned-alphanumeric-identifier' (DED 0266) and the 'engineering-change-proposal-revision-identification' (DED 0600) choice group.

engineering-change-proposal-class-i

The elements that provide Class I Engineering Change Proposal meta data. This group consists of the 'engineering-change-proposal-document-in-production-code' (DED 0223), the 'change-proposal-document-production-delivery-schedule-effect-text' (DED 0171), the 'engineering-change-proposal-document-justification-code' (DED 0165), the 'engineering-change-proposal-document-priority-code' (DED 0166), the 'product-baseline-type-code' (DED 0098), the 'interface-configuration-item-product-affected-code' (DED 0129), 'recurring-deviation-identification' (DED 0600) group, the 'affected-product' (DED 0600) group, the 'contractual-authority-suspense' (DED 0600) group, the 'effects-of this engineering-change-proposal' (DED 0600) group, the 'document-proposed-change-developmental-program-requirements-field-text' (DED 0118), the 'document-proposed-change-alternate-solutions-field-text' (DED 0118), the 'format' (DED 0600) group and the 'disposition' (DED 0600) group.

engineering-change-proposal-class-ii

The elements that provide supporting information for a Class II Engineering Change Proposal. This group consists of the 'classification-agreement' (DED 0600) group, 'document-change-proposal-disposition-consequences-field-text' (DED 0118) and 'disposition-status' (DED 0600) group.

engineering-change-proposal-classification

The elements that provide for the identification of the class of an Engineering Change Proposal. This group consists of a choice between the 'engineering-change-proposal-class-II' (DED 0600) group or the 'engineering-change-proposal-class-I' (DED 0600) group.

engineering-change-proposal-document-identifier-source

The elements that provide the identification of the source for an Engineering Change Proposal. This group consists of a choice between the 'human-personal-identifier' (DED 0600) group or the 'enterprise-identifier' (DED 0600) group.

engineering-change-proposal-document-revision

The elements that provide the identification of the revision level of an Engineering Change Proposal. This group consists of a choice between the 'revision-date-time' (DED 0600) group or 'document-alphanumeric-revision-identifier' (DED 0009).

engineering-change-proposal-element-to-related-document

The elements that provide for the identification of impacts of an engineering change on related documents. This group consists of the 'ecp-element-name' (DED 0332), the 'relationship-type' (DED 0048) and the 'related-document' (DED 0600) group.

engineering-change-proposal-identifier-source

The elements that provide the identity of the Engineering Change Proposal source. This group consists of a choice between the 'human-personal-identifier' (DED 0600) group or the 'enterprise-identifier' (DED 0600) group.

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engineering-change-proposal-revision-identification

The elements that provide the identification of the revision level of an Engineering Change Proposal. This group consists of a choice between the 'revision-date-time' (DED 0600) group or 'document-alphanumeric-revision-identifier' (DED 0009).

enterprise-identifier

The elements that identify the entity associated with the identification of a product or document. This group consists of a choice between the 'enterprise-name' (DED 0170) or the 'enterprise-identifier-code' (DED 0600) group.

enterprise-identifier-code

The elements used to identify a specific enterprise identifier code. This group consists of 'enterprise-identifier-code-list- certifying-organization-identifier-code' (DED 0327) the 'enterprise-identifier-code-list-identifier-code' (DED 0328) and the 'enterprise-identifier-code' (DED 0329).

enterprise--human-identification

The group of elements that identify an enterprise or a person. This element consists of the 'human--personal-identifier' (DED 0600) group or 'enterprise-generic-identification' (DED 0600) group.

enterprise-generic-identification

The group of elements that provides the identity of an enterprise. This group consists of the 'enterprise-identification-type-code' (DED 0050) and the 'enterprise-identifier' (DED 0600) choice group.

entity-identification

The group of element that provide for the identification of an entity. This group consists of the 'human--personal-identifier' (DED 0600) group, the 'enterprise-defense-logistics--assigned-identification-code' (DED 0001), the 'enterprise-acronym-identification-code' (DED 0002), the 'enterprise-name' (DED 0170) or the 'supplier-identifier' (DED 0600) group.

file-access-information

The group of elements that identify the file access type and the file delivery method. This group consists of the 'file-access-type-code' (DED 0601) and the 'file-delivery-method' (DED 0600) choice group.

file-delivery-method

The group of elements that indicate the method of delivery/access to a file. This group consists of the 'imbedded-file-information' (DED 0600) group or the 'CITIS-access-information' (DED 0600) group.

File-information

A choice of elements used to identify information about a file. This group consists of a choice between the 'imbedded-file-information' (DED 0600) group and the 'CITIS-access-information' (DED 0600) group.

file-identification

The elements used to identify a file. This group consists of the 'electronic-document-file-identifier' (DED 0206), the 'file-identifier-source' (DED 0600) group, the 'file-origination-date-time' (DED 0600) group, the 'document-file-description-text' (DED 0212), the 'document-file-compression-method-code' (DED 0214), the 'file-type' (DED 0600) group, the 'security-protection' (DED 0600) group, and the 'file-information' (DED 0600) group.

file-identifier-source

A choice of elements used to identify the person or company that created a file. This group consists of a choice between a 'human-personal-identifier' (DED 0600) group and an 'enterprise-identifier' (DED 0600) group.

File-origination-date-time

The elements that identify the origination date and time of a file. This group consists of the 'electronic-document-file-creation-date' (DED 0082) and the 'electronic-document-file-creation-time' (DED 0160).

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| | file-origination-date--time | | | | |
| | The group of elements that identify the origination date and time of a file. This group consists of the 'electronic-document-file-creation-date' (DED 0082) and the 'electronic-document-file-creation- time' (DED 0160). | | | | |
| | file-type | | | | |
| | The elements used to identify a file type and its attributes. This group consists of the 'document-file-type-code' (DED 0210) and the 'file-type-information' (DED 0600) group. | | | | |
| | file-type-information | | | | |
| | The elements that describe the structure of the file as defined in a standards document or identifies the proprietary application software that can read the file. This group consists of the 'standards-based' (DED 0600) group and the 'proprietary-software-based' (DED 0600) group. | | | | |
| | final-format | | | | |
| | The elements that identify a 'final' ECP (as opposed to a 'preliminary' ECP). This group consists of the 'primary-related' (DED 0600) group, the 'document-change-proposal-disapproval-consequences-field-text' (DED 0118), and the 'cost' (0600) group. | | | | |
| | format | | | | |
| | The elements used to identify the format of an ECP. This group consists of a choice between a 'preliminary-format' (DED 0600) group and a 'final-format' (DED 0600) group. | | | | |
| | future-cost-savings | | | | |
| | The elements used to identify the type of costs, the DOD component bearing the cost, and the estimated future cost savings for the ECP. This group consists of the 'engineering-change-proposal-cost-affected-enterprise-acronym-identification-code' (DED 0002), 'engineering-change-proposal-cost-type-identifier' (DED 0321), and 'engineering-change-proposal-document-estimated-cost-amount' (DED 0172). | | | | |
| | government-security-classification | | | | |
| | The elements that identify the security classification of a document. This group consists of the 'document-security-classification-code' (DED 0010) and the 'classification-information' (DED 0600) group. | | | | |
| | human-personal-identifier | | | | |
| | The elements that uniquely identify a person. This group consists of the 'human-personal-identifier-source-identifier' (DED 0044) and 'human-personal-identifier' (DED 0069). | | | | |
| | imbedded-file-information | | | | |
| | The elements that identify information about a file and the operating system it was created on. This group consists of the 'file-size-in-bytes' (DED 0601), the 'file' (DED 0601) and, the 'computer-operating-system-asset-type-code' (DED 0213). | | | | |
| | incorporation-date-time | | | | |
| | The elements used to identify the date-time that the revision was incorporated into the document affected by the NOR. This group consists of the 'document-revised-sheet-change-incorporation-date' (DED 0082) and the 'document-revised-sheet-change-incorporation-time' (DED 0160). | | | | |
| | level-of-maintenance | | | | |
| | The elements that identify the levels of maintenance required and the resources required for specific levels. This group consists of the 'engineering-change-proposal-document-retrofit-installation-level-code' (DED 0195), the 'retrofit-maintenance-process-period-work-hour-quantity' (DED 0087), the 'retrofit-kit-installation-process-period-work-hour-quantity' (DED 0087), the 'retrofit-kit-test-process-period-work-hour-quantity' (DED 0087), the 'retrofit-system-test-process-period-work-hour-quantity' (DED 0087), the 'predicted-asset-service-period-downtime-days-quantity' (DED 0184) and the 'product-quantity' (DED 0019). | | | | |

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| | <u>Definition and Legal Values (if any)</u> | — | — | — | — |
| | maintained-part-identification | | | | |
| | The elements that identify the part for which the technical manual was prepared. This group consists of the 'part-identifier-source' (DED 0600) group and the 'part-identifier' (DED 0600) group. | | | | |
| | material-product-parameters | | | | |
| | The group of elements that are used to differentiate various classification schemes for materials or discrete parts controlled by specifications when required to uniquely identify the material. This group consists of the 'material-product-classification-type-code' (DED 0036) and the 'material product-classification-value' (DED 0037). | | | | |
| | multi-sheet | | | | |
| | The elements that are used to identify document sheet identification and number of sheets. This group consists of the 'sheets' (DED 0600) group and 'document-sheet-total-quantity' (DED 0110). | | | | |
| | multi-sheet-managed | | | | |
| | The elements used to identify a multi-sheet managed document that is maintained at the individual sheet revision level. This group consists of the 'affected document identifier-source' (DED 0600) group, the 'document-source-assigned-alphanumeric-identifier' (DED 0266), the 'affected-document-revision' (DED 0600) group, the 'sheet-revision' (DED 0600) group and the 'document-sheet-identifier' (DED 0026). | | | | |
| | name | | | | |
| | The elements that identify a person. This group consists of the 'human-first-given-name' (DED 0067) and the 'human-last-given-name' (DED 0068). | | | | |
| | nomenclature | | | | |
| | The group of elements that are used to identify the part or material name. This group consists of the 'part-product-name' (DED 0113) or the 'material-product-name' (DED 0191). | | | | |
| | non-digital-representation-information | | | | |
| | The elements that identify the location of the non-digital representation. These elements are site specific and must be defined in the contract, if used. | | | | |
| | non-sheet-managed-document | | | | |
| | A group that indicates that revisions to a document are managed on the document as a whole, not to the individual sheets. This group consists of the 'document-representation' (DED 0600) group. | | | | |
| | nor-document-identifier-source | | | | |
| | The elements used to identify the person or organization that assigned the NOR identifier. This group consists of a choice between a 'human-personal-identifier' (DED 0600) group or the 'enterprise-identifier' (DED 0600) group. | | | | |
| | nor-revision-identification | | | | |
| | The elements used to identify the person or organization that assigned the NOR identifier. This group consists of a choice between a 'revision-date-time' (DED 0600) group or the 'document-alphanumeric-revision-identifier' (DED 0009). | | | | |
| | notice-of-revision-affected-document | | | | |
| | The elements that provide the identification of the Notice of Revision that accompanies and engineering change action. This group consists of the 'affected-document-sheet-management' (DED 0600) group and the 'changes-to-affected-document' (DED 0600) group. | | | | |
| | notice-of-revision-identification | | | | |
| | The elements used to uniquely identify the NOR for an affected document. This group consists of the 'document-source-assigned-alphanumeric-identifier' (DED 0266), and the 'nor-revision-identification' (DED 0600) group. | | | | |

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| | originator-point-of-contact | | | | |
| | The elements used to identify the person who is the point of contact for the organization or company that created the ECP or RFD. This group consists of the 'human-personal-identifier-source-identifier' (DED 0044) and the 'human-personal-identifier' (DED 0069). | | | | |
| | parent-part-identification | | | | |
| | The elements that identify the 'parent' part in a parent-child relationship. The part may be an assembly, subassembly or component part. This group consists of the 'parent-part-identifier-source' (DED 0600) group and the 'parent-part-identifier' (DED 0600) group. | | | | |
| | parent-part-identifier | | | | |
| | The elements that uniquely identify a 'parent' part. This group consists of the 'product-identifier' (DED 0024) and the 'part-parameter' (DED 0600) group. | | | | |
| | parent-part-identifier-source | | | | |
| | The elements used to identify the person or organization that assigned the 'parent' part. This group consists of a choice between a 'human-personal-identifier' (DED 0600) group and an 'enterprise-identifier' (DED 0600) group. | | | | |
| | part-defined | | | | |
| | The elements that identify the part or parts that are defined on a document, not components of an assembly (see Child group and Parent Part Identification group). This group consists of the 'part-identifier-source' (DED 0600) group and the 'part-identifier' (DED 0600) group. | | | | |
| | part-identification | | | | |
| | The elements that identify a part and the person or organization that assigned the part identifier. This group consists of the 'part-identifier-source' (DED 600) group and the 'part-identifier' (DED 0600) group. | | | | |
| | part-identifier | | | | |
| | The elements that are used to uniquely identify a part or material. This group consists of the 'product-identifier' (DED 0024) and the 'part-parameters' (DED 0600) group. | | | | |
| | part-life | | | | |
| | The elements that identify the duration that a part may be stored or used based upon the storage environment or it's usage. This group consists of the 'part-shelf-life' (DED 0600) group and the 'part-service-life' (DED 0600) group. | | | | |
| | part--material-identification | | | | |
| | The group of elements that are used to identify a part or material product and it's source. This group consists of the 'product-type-code' (DED 0034) and the 'part-identifier' (DED 0600) group. | | | | |
| | part--material-identifier | | | | |
| | The group of elements that are used to identify a part or material product. This group consists of the 'part--material-source-identifier' (DED 0600) group, the 'part--material-identifier' (DED 0600) group and the 'material-product-parameters' (DED 0600) group. | | | | |
| | part-parameters | | | | |
| | The elements that are used to differentiate various classification schemes for materials or discrete parts when required to uniquely identify them. This group consists of the 'part-classification-type-code' (DED 0036) and the 'part-classification-type-value' (DED 0037). | | | | |
| | part-service-life | | | | |
| | The elements that identify the service life of a part. This group consists of the 'product-service-life-period-quantity' (DED 0086), the 'period-unit-code' (DED 0232), and the 'product-service-life-usage' (DED 0038). | | | | |

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part-shelf-life

The elements that identify the shelf life of a part. This group consists of the 'supply-item-control-shelf-life-code' (DED 0094) and the 'product-shelf-life-storage-type' (DED 0033).

part-weight

The elements that identify the weight of a part or material. This group consists of the 'part-unit-weight' (DED 0114) and the 'part-measurement-unit-code' (DED 0054).

parts-list-note

The elements that identify specific notes on a parts list. This group consists of the 'engineering-drawing-document-note-identifier' (DED 0251) and the 'engineering-drawing-document-note-text' (DED 0252).

preferred-alternate-substitute-indicator

The elements that indicate whether a part (within an assembly) is a preferred, substitute or an alternate part. If it is a substitute or alternate part, it also identifies the preferred part to which it is related. This group consists of the 'part-priority-indicator-code' (DED 0258) and the 'preferred-part' (DED 0600) group.

preferred-part

The elements that identify the preferred part. This group consists of the 'part-identifier-source' (DED 0600) group and the 'part-identifier' (DED 0600) group.

preliminary-format

The elements that identify a 'preliminary' ECP (as opposed to a 'final' ECP). This group consists of the 'document-change-proposal-disapproval-consequences-field-text' (DED 0118), and the 'budgetary-cost-estimates' (DED 0600) group.

primary-ecp

The elements that identify the 'primary' ECP when the ECP being submitted is designated as 'related' to another ECP. This group consists of the 'primary-ecp-identifier-source' (DED 0600) group, the 'document-source-assigned-alphanumeric-identifier' (DED 0266) and the 'primary-ecp-revision' (DED 0600) group.

primary-ecp-identifier-source

The elements that are used to identify the person or organization that assigned an ECP identifier. This group consists of a choice between a 'human-personal-identifier' (DED 0600) group and an 'enterprise-identifier' (DED 0600) group.

primary-ecp-revision

The elements used to identify the revision of an ECP. This group consists of a choice between a 'revision-date-time' (DED 0600) group and a 'document-alphanumeric-revision-identifier' (DED 0009).

primary-related

The element groups used to identify possible related ECPs if the ECP being submitted is primary, and the primary ECP if the ECP being submitted is related. Also used to identify a 'related' preliminary ECP. This group consists of a choice between the 'related-ecp' (DED 0600) group and the 'primary-ecp' (DED 0600) group.

procuring-activity-number

The elements used by an activity to assign an alias identifier to an ECP or RFD. This group consists of the 'julian-year-period-identifier' (DED 0219) and the 'document-procuring-activity-assigned-identifier' (DED 0178).

product-defined

The elements used to identify the type of product defined by a document. This group consists of a choice between the 'part-identification' (DED 0600) group and the 'software-identification' (DED 0600) group.

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product-defining-document-identification

The elements that identify the documents that define/describe a part. This group consists of the 'defining-document-identifier-source' (DED 0600) group and the 'document-source-assigned-alphanumeric-identifier' (DED 0266).

product-defining-document-identifier

The group of elements that identify the document that defines a part or material product. This group consists of the 'defining-document-entity-identifier' (DED 0600) group and the 'defining-document-identifier' (DED 0600) group.

product-design-source-identifier

The group of elements that identify the design source of a part or material product. This group consists of the 'entity-type-code' (DED 0076) and the 'enterprise--human-identification' (DED 0600) group.

product-identification

The elements used to distinguish between and identify a product. This group consists of a choice between the 'part-identification' (DED 0600) group and the 'software-identification' (DED 0600) group.

product-identifier

The group of elements that uniquely identify a part, material or software. This group consists of the 'part--material-identification' (DED 0600) group or the 'software-identification-information' (DED 0600) group.

product-identifier-source

The elements that are used to identify the person or organization that assigned a product identifier. This group consists of a choice between a 'human-personal-identifier' (DED 0600) group and an 'enterprise-identifier' (DED 0600) group.

product-life

The group of elements that identify the duration that a part may be stored or used based upon the storage environment or its usage. This group consists of the 'part-shelf-life' (DED 0600) group and the 'part-service-life' (DED 0600) group.

product-service-life

The group of elements that identify the service life of a part. This group consists of the 'supply-item-service-life-period-quantity' (DED 0086), 'period-unit-code' (DED 0232), and 'part-service-life-usage' (DED 0038).

product-shelf-life

The group of elements that identify the shelf life of a part. This group consists of the 'supply-item-control-shelf-life-code' (DED 0094) and the 'product-shelf-life storage-type' (DED 0033).

product-tracking

The elements used to identify the method for tracking effectivity and the starting and ending items for a RFD. This group consists of the 'product-change-effectivity-tracking-type-code' (DED 0057), the 'product-starting-effectivity-sequential-tracking-identifier' (DED 0058) and the 'product-ending-effectivity-sequential-tracking-identifier' (DED 0058).

product-weight

The group of elements that identify the weight of a part or material. This group consists of the 'product-part-unit-weight' (DED 0114) and the 'product-measurement-unit-code' (DED 0054).

production-suspense-date-time

The elements that identify when disposition of an ECP is required in order to incorporate into production in the effectivity specified. This group consists of the 'engineering-change-proposal-document-production-contract-authority-need-date' (DED 0082) and the 'engineering-change-proposal-document-production-contract-

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| | authority-need-time' (DED 0160). | | | | |
| | proposed-new-document | | | | |
| | The elements used to identify a proposed new document as a result of an ECP action. This group consists of the 'single-sheet-non-sheet-managed' (DED 0600) group, and the 'multi-sheet-managed' (DED 0600) group. | | | | |
| | proprietary-software-based | | | | |
| | The elements that describe the proprietary application software that can be used to read the file. This group consists of a 'proprietary-software-based-identifier-source' (DED 0600) group and an 'product-identifier' (DED 0024). | | | | |
| | proprietary-software-based-identifier-source | | | | |
| | The elements that identify the person or company that assigned the proprietary application software identifier. This group consists of a choice between a 'human-personal-identifier-group' (DED 0600) group and an 'enterprise-identifier (DED 0600) group. | | | | |
| | recommendation-authority | | | | |
| | The elements used to identify the person authorized to make recommendation for approval/disapproval of the ECP. This group consists of the 'human-first-given-name' (DED 0067) and 'human-last-given-name' (DED 0068). | | | | |
| | recommendation-status-date-time | | | | |
| | The elements used to identify the date and time that the recommendation for approval/disapproval of the ECP was made by the DCMC authority. This group consists of the 'engineering-change-proposal-document-contract-administration-disposition-recommendation-date' (DED 0082) and 'engineering-change-proposal-document-contract-administration-disposition-recommendation-time' (DED 0160). | | | | |
| | recurring-deviation | | | | |
| | The elements used to identify the latest RFD if there have been recurring RFDs. This group consists of the 'document-recurring-deviation-request-corrective-action-taken-field-text' (DED 0118) and the 'recurring-deviation-identification' (DED 0600) group. | | | | |
| | recurring-deviation-document-identifier-revision | | | | |
| | The elements used to identify the revision of a recurring deviation. This group consists of a choice between a 'revision-date-time' (DED 0600) group and a 'document-alphanumeric-revision-identifier' (DED 0009). | | | | |
| | recurring-deviation-identification | | | | |
| | The elements that uniquely identify the latest recurring deviation. This group consists of the 'recurring-deviation-source' (DED 0600) group and the 'document-source-assigned-alphanumeric-identifier' (DED 0266) and the 'recurring-deviation-document-identifier-revision' (DED 0600) group. | | | | |
| | recurring-deviation-source | | | | |
| | The elements that are used to identify the person or organization that assigned the recurring RFD identifier. This group consists of a choice between a 'human-personal-identifier' (DED 0600) group and an 'enterprise-identifier' (DED 0600) group. | | | | |
| | redlined-document-identification | | | | |
| | The elements that identify the document that has been marked up and submitted with an ECP to define the To-From change, or to support the text defining the To-From change. This group consists of the 'redlined-document-identifier-source' (DED 0600) group, the 'document-source-assigned-alphanumeric-identifier' (DED 0266), and the 'redlined-document-revision' (DED 0600) group. | | | | |
| | redlined-document-identifier-source | | | | |
| | The elements that are used to identify the person or organization that assigned the redlined document identifier. This group consists of a choice between a 'human-personal-identifier' (DED 0600) group and an 'enterprise- | | | | |

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identifier' (DED 0600) group.

redlined-document-revision

The elements used to identify the revision of a redlined document. This group consists of a choice between the 'revision-date-time' (DED 0600) group and the 'document-alphanumeric-revision-identifier' (DED 0009).

reference-document-identification

The elements that uniquely identify a document that provides information about a 'parent' or 'child' part in a specific parent-child relationship. This group consists of the 'document-identifier-source' (DED 0600) group, the 'document-source-assigned-alphanumeric-identifier' (DED 0266) and the revision identification (DED 0600) group.

related-document

The elements used to identify a document cited on another document and its relationship to that document. This group consists of the 'relationship-type' (DED 0048), the 'related-document-identifier-source' (DED 0600) group, the 'document-source-assigned-alphanumeric-identifier' (DED 0266) and the and the 'related-document-revision-identification' (DED 0600) group.

related-document-identifier-source

The elements that are used to identify the person or organization that assigned the related document identifier. This group consists of a choice between a 'human-personal-identifier' (DED 0600) group and an 'enterprise-identifier' (DED 0600) group.

related-document-revision-identification

The elements used to identify the revision of a related document. This group consists of a choice between a 'revision-date-time' (DED 0600) group and a 'document-alphanumeric-revision-identifier' (DED 0009).

related-ecp

The elements used to identify a related engineering change proposal associated with a primary engineering change proposal. This group consists of the 'related-ecp-identifier-source' (DED 0600) group, the 'document-source-assigned-alphanumeric-identifier' (DED 0266) and the 'related-ecp-revision' (DED 0600) group.

related-ecp-identifier-source

The elements used to identify the person or organization that assigned the related ECP identifier. This group consists of a choice between a 'human-personal-identifier' (DED 0600) group and an 'enterprise-identifier' (DED 0600) group.

related-ecp-revision

The elements used to identify the revision of a related ECP. This group consists of a choice between a 'revision-date-time' (DED 0600) group and a 'document-alphanumeric-revision-identifier' (DED 0009).

related-retrofit-incorporation

The elements used to identify related retrofits and the implementation sequence. This group consists of the 'retrofit-kit-change-document-implementation-sequence-code' (DED 0193), and the 'retrofit-engineering-change-proposal-identification' (DED 0600) group.

replacing-product

The elements that identify the replacing product and the indication if the replacement is permanent. This group consists of the 'replacing-product-identification' (DED 0600) group and the 'product-replacement-type-code' (DED 0106).

replacing-product-identification

The elements that identify the replacing product. This group consists of the 'replacing-product-identifier-source' (DED 0600) group and the 'part-identifier' (DED 0600) group.

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replacing-product-identifier-source

The elements used to identify the person or organization that assigned the part identifier. This group consists of a choice between a 'human-personal-identifier' (DED 0600) group and an 'enterprise-identifier' (DED 0600) group.

replacing-product-source-identifier

The group of elements that identify the source for a replacing product. This group consists of the 'enterprise-identification-type-code' (DED 0050) and the 'enterprise-identifier' (DED 0600) choice group.

representation-medium

The elements that identify the document representation medium. This group consists of a choice between the 'digital-document-representation-information' (DED 0600) group or 'non-digital-representation-information' (DED 0600) group.

request-for-deviation-affected-document

The elements that provide the identification of a document for which a deviation is being requested. This group consists of the 'affected-document-identification' (DED 0600) group and the 'classification-defects-type-code' (0030).

request-for-deviation-affected-product

The elements that provide the identification of the product that is affected by a request for deviation. This group consists of the 'affected-product-identification' (DED 0600) group, the 'deviation-request-document-part-level-code' (DED 0220) and 'product-tracking' (DED 0600) group.

request-for-deviation-document-revision

The elements used to identify the revision level of an RFD. This group consists of a choice between the 'revision-date-time' (DED 0600) group and the 'document-alphanumeric-revision-identifier' (DED 0009).

request-for-deviation-element-to-related-document

The elements used to identify and link reference or supporting related documents to the RFD element for which they are provided. This group consists of the 'rfd-element-name' (DED 0331), the 'relationship-type' (DED 0048), and the 'related-document' (DED 0600) group.

retrofit

The elements used to identify all of the attributes related to the recommendations for retrofit of the ECP. This group consists of the 'document-proposed-change-retrofit-recommendations-field-text' (DED 0118), the 'product-proposed-retrofit-completion-mro' (DED 0081), the 'related-retrofit-incorporation' (DED 0600) group, the 'affected-asset-class' (DED 0600) group, the 'document-proposed-change-contractor-field-service-effect-field-text' (DED 0118), and the 'level-of-maintenance' (DED 0600) group.

retrofit-engineering-change-proposal-identification

The elements used to uniquely identify an ECP when retrofit must be done in a predetermined sequence. This group consists of the 'ecp-document-identifier-source' (DED 0600) group, the 'document-source-assigned-alphanumeric-identifier' (DED 0266), and the 'ecp-document-revision' (DED 0600) group.

retrofit-suspense-date-time

The elements that identify when disposition of an ECP is required in order to maintain the estimated retrofit effectivity specified. This group consists of the 'engineering-change-proposal-document-retrofit-contract-authority-need-date' (DED 0082) and the 'engineering-change-proposal-document-retrofit-contract-authority-need-time' (DED 0160).

revision-date

The group of elements that provide the revision level of a document that is controlled by a date. This group consists of 'document-preparation-date' (DED 0082).

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| | revision-date-time | | | | |
| | The elements that provide the revision level of a document when revisions are controlled by date. This group consists of 'document-revision-generic-date' (DED 0082) and the 'document-revision-generic-time' (DED 0160). | | | | |
| | revision-identification | | | | |
| | The elements used to identify the revision level of a document. This group consists of a choice between the 'revision-date-time' (DED 0600) group and the 'document-alphanumeric-revision-identifier' (DED 0009). | | | | |
| | revision-identifier | | | | |
| | The group of elements that identifies the revision level of a document. This group consists of the 'revision-date-time-identifier' (DED 0600) group, the 'document-alphanumeric-revision-identifier' (DED 0009), the 'software-product-version-identifier' (DED 0062), the 'contract-document-revision-identifier' (DED 0120), or the 'supplement-document-sequence-identifier' (DED 0244). | | | | |
| | revision-incorporation | | | | |
| | The elements that identify the authority and date-time that the revision was incorporated into the document affected by the NOR. This group consists of the 'incorporation-date-time' (DED 0600) group, 'revision-incorporation-authority' (DED 0600) group, and 'enterprise-office-name' (DED 0044). | | | | |
| | revision-incorporation-authority | | | | |
| | The elements used to identify the person authorized to verify the changes identified on the NOR have been incorporated into the document affected by the NOR. This group consists of the 'human-first-given-name' (DED 0067) and 'human-last-given-name' (DED 0068). | | | | |
| | rfd-document-identifier-source | | | | |
| | The elements used to identify the person or organization that assigned the RFD identifier. This group consists of a choice between a 'human-personal-identifier' (DED 0600) group and an 'enterprise-identifier' (DED 0600) group. | | | | |
| | security-protection | | | | |
| | The elements that provide information concerning security, copyrights, distribution, export control and data rights associated with a document. This group consists of the 'government-security-classification' (DED 0600) group, the 'copyright-information' (DED 0600) group, the 'distribution-statement-information' (DED 0600) group, the 'document-export-control-code' (DED 0079) and the 'data-rights-information' (DED 0600) group. | | | | |
| | sheet-managed-document | | | | |
| | A choice of elements that identify whether a document contains a single sheet or multiple sheets. This group consists of a choice between the 'single-sheet' (DED 0600) group and the 'multi-sheet' (DED 0600) group. | | | | |
| | sheet-management | | | | |
| | The elements used to identify whether the document is to be managed as a single document or at the sheet level. This group consists of a choice between the 'non-sheet-managed-document' (DED 0600) group or the 'sheet-managed-document' (DED 0600) group. | | | | |
| | sheet-revision | | | | |
| | The elements used to identify the revision level of a specific sheet of a document when the document is managed at the sheet level. This group consists of a choice between the 'revision-date-time' (DED 0600) group and the 'document-alphanumeric-revision-identifier' (DED 0009). | | | | |
| | sheet-revision-information | | | | |
| | The group of elements that identifies the revision level of a sheet within a document. This group consists of the 'revision-identifier-type code' (DED 0601) and the 'revision-identifier' (DED 0600) choice group. | | | | |

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sheets

The elements that identify detailed sheet information for a multi- sheet document. This group consists of the 'document-sheet-identifier' (DED 0026), the 'document-sheet-size-code' (DED 0112), the 'sheet-revision' (DED 0600) group and the 'document-representation' (DED 0600).

single--multi-sheet

The group of elements that identifies if a document is managed as a single or multi sheet document. This group consists of the 'single-sheet' (DED 0600) group or the 'multi-sheet' (DED 0600) group.

single-sheet

The elements that identify detailed sheet information for a document that is only one sheet. This group consists of the 'document-sheet-size-code' (DED 0112), and the 'document-representation' (DED 0600) group.

single-sheet-or-non-sheet-managed

The elements used to identify a single sheet or non sheet managed document that is maintained at the single sheet revision level. This group consists of the 'affected-document-identifier-source' (DED 0600) group, 'multi-sheet-managed' (DED 0600) group, 'affected-document-revision' (DED 0600) group, and 'document-source-assigned-alphanumeric-identifier' (DED 0266).

software-defined

The elements that identify the software that is defined on a document. This group consists of the 'product-identifier-source' (DED 0600) group and the 'product-identifier' (DED 0024).

software-defining-document-identification

The elements that identify the document which defines specific software. This group consists of the 'defining-document-entity-identifier' (DED 0600) group and 'document-assigned-source-alphanumeric-identifier' (DED 0266).

software-identification

The elements that identify the source and unique identifier for software. This group consists of the 'product-identifier-source' (DED 0600) group and 'product-identifier' (DED 0024).

software-product-application-identifier

The group of elements that uniquely identify a software product using the dash number paradigm. This group consists of the 'software-product-basic-application-alphanumeric-identifier' (DED 0190) and the 'software-product-application-suffix-alphanumeric-identifier' (DED 0222).

software-product-generic-identifier

The group of elements that identify the method of identifying the software product and the software product identifier. This group consists of the 'software-product-identification-paradigm-type-code' (DED 0163) and the 'software-product-identifier' (DED 0600) group.

software-product-identifier

The group of elements that identify the software product. This group consists of the 'part-product-identifier' (DED 0024), the 'software-product-application-identifier' (DED 0600) group, or the 'document-identifier-based-software-identifier' (DED 0600) group.

source-identification

The elements used to identify the person or organization that assigned a document or product identifier. This group consists of a choice between a 'human-personal-identifier' (DED 0600) group and an 'enterprise-identifier' (DED 0600) group.

standards-based

The elements used to identify the standard that describe a file type or a target environment. This group consists

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of the 'standards-based identifier-source' (DED 0600) group, the 'document-source-assigned-alphanumeric-identifier' (DED 0266) and the 'standards-based-document-revision' (DED 0600) group.

standards-based-document-revision

The elements that provide the identification of the revision of a standards-based document. This group consists of the 'revision-date-time' (0600) group and the 'document-alphanumeric-revision-identifier' (DED 0009).

standards-based-identifier-source

The elements used to identify the person or organization that assigned a standards-based document identifier. This group consists of a choice between a 'human-personal-identifier' (DED 0600) group.

stock-number

The elements that identify the type of stock number, the number, and the source, if applicable, assigned to a product. This group consists of the 'product-stock-identifier' (DED 0049), the 'stock-number-type' (DED 0333) and the 'enterprise-name' (DED 0170).

stock-number-source

The group of elements that identify source of the stock number. This group consists of the 'enterprise-identification-type-code' (DED 0050) and the 'enterprise-identifier' (DED 0600) choice group.

supplemented-document-identification

The elements that identify the base document that is being supplemented. This group consists of the 'supplemented-document-source-identification' (DED 0600) group, the 'document-source-assigned-alphanumeric-identifier' (DED 0266) and the 'supplemented-document-revision' (DED 0600) group.

supplemented-document-revision

The elements used to identify the base document that is being supplemented. This group consists of a choice between the 'revision-date-time' (DED 0600) group and the 'document-alphanumeric-revision-identifier' (DED 0009).

supplemented-document-source-identification

The elements used to identify the company or organization that assigned a base document identifier. This group consists of a choice between a 'company-name' (DED 00170) and an 'enterprise-identifier' (DED 0600) group.

supplier-identifier

The group of elements that identify the international organization responsible for assignment of the supplier code. This group consists of the 'international-code-designator' (DED 0323) and the 'organization-identification-code' (DED 0322).

target-environment

The elements used to identify the software application program needed to read a file or set of files. This group consists of a choice between the 'standards-based' (DED 0600) group and the 'proprietary-software-based' (DED 0600) group.

vendor-entity-identifier

The group of elements that provide the identifier of the vendor associated with a control drawing. This group consists of the 'enterprise-identification-type-code' (DED 0050) and the 'enterprise-identifier' (DED 0600) group.

vendor-product-identification

The elements that identify a vendor part for the government part being defined. Example: from a Vendor Control Drawing or a Source Control Drawing. This group consists of the 'vendor-product-identifier-source' (DED 0600) group and the 'vendor-part-identifier' (DED 0600) group.

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DED DED TITLE/ROLE TITLE
Definition and Legal Values (if any)

| Type | Jst | Dec | Size |
|-------|-------|-------|-------|
| _____ | _____ | _____ | _____ |

vendor-product-identifier

The elements that uniquely identify a vendor part. This group consists of the 'product-identifier' (DED 0024) and the 'part-parameters' (DED 0600) group.

vendor-product-identifier-source

The elements used to identify the person or organization that assigned the vendor part identifier. This group consists of a choice between a 'human-personal-identifier' (DED 0600) group and an 'enterprise-identifier' (DED 0600) group.

version-date-time

The elements that provide the version level of a representation when revisions are controlled by date. This group consists of 'document-representation-creation-date' (DED 0082) and the 'document-representation-creation-time' (DED 0160).

version-identification

The elements that identify the version (revision) of a representation, not the revision of the document. See document-revision. This group consists of a choice between the 'version-date-time' (DED 0600) group and the 'document-representation-version-identifier' (DED 0208).

version-status

The elements used to identify a representation version status and the date that status was reached. This group consists of the 'document-representation-release-process-disposition-status-code' (DED 0021) and the 'version-status-date-time' (DED 0600) group.

version-status-date-time

The elements that provide the status of the version of a representation. This group consists of 'document-representation-release-process-disposition-status-date' (DED 0082) and the 'document-representation-release-process-disposition-status-time' (DED 0160).

0601 **{}-attribute-flag**

Used in the validation or insertion of data into a data packet but not necessarily stored in the database therefore may not comply with data element naming conventions.

{}-file-attributes

Used in data packets but not necessarily stored in the database.

file

Hexa-decimal representation of file

file-size-in-bytes

Number of hexa-decimal characters in the file.

document-page-management-indicator

A code that indicates whether the specific document representation is a document that has individual pages or sheets that are under revision control.

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|------------------|
| N | Non page managed |
| P | Page managed |

downgrade-method-type-code

A code that indicates whether downgrading of a classified document will be based on the occurrence a specified

APPENDIX C

DED DED TITLE/ROLE TITLE
Definition and Legal Values (if any)

| Type | Jst | Dec | Size |
|-------|-------|-------|-------|
| _____ | _____ | _____ | _____ |

event or at a specified point in time.

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|--|
| Date | Downgrading based on a specified date |
| Event | Downgrading based on the occurrence of a specified event |

drawing-document-subsidiary-type-code

A code that designates the specific section in ASME Y14.24 that contains the specific drawing subsidiary type code.

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|-----------------------|----------------------------|
| Control | Control Drawing |
| Hardware- software | Hardware-software-drawing |
| Information | Design-information-drawing |

file-access-type-code

A code that indicates whether a copy of the file is imbedded as a part of the data information packet or whether a copy of the file can be obtained through the CITIS.

The valid domain values for this element are:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|---------------------------------|
| CITIS | File access will be by CITIS |
| Imbedded | File is included within the DIP |

product-type-indicator-code

A code that indicates whether the product is hardware or software.

The valid domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|---------------------|
| Hardware | Product is hardware |
| Software | Product is software |

revision-identifier-type-code

A code that indicates what type of revision indicator a document uses.

The domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|------------------------------|
| D | date-time stamp |
| A | Alphanumeric identifier |
| V | Version Identifier |
| C | Contract revision identifier |
| S | Sequential identifier |

APPENDIX C

| DED | DED TITLE/ROLE TITLE | Type | Jst | Dec | Size |
|-----|---|-------|-------|-------|-------|
| | <u>Definition and Legal Values (if any)</u> | _____ | _____ | _____ | _____ |

single-sheet-indicator

An indicator that designates whether the page management document has a single page or whether it has multiple pages.

The domain values for this element are as follows:

| <u>Domain Value</u> | <u>Meaning</u> |
|---------------------|----------------|
| Y | Single page |
| N | Multiple pages |

C.6. NOTES

This section is not applicable to this standard.

APPENDIX C

DED DED TITLE/ROLE TITLE
Definition and Legal Values (if any)

Type Jst Dec Size

TABLE C-I. Acceptable Combinations of Identifiers (Type and Source) by Supported Document Category

| Document Category Code (DED 0004) | Document Identification Type Code (DED 0101) | Document Source Identification Type Code (DED 0100) | | | | | |
|--------------------------------------|---|---|--|-------------------------|--------------------------------------|----------------------------|----------------------|
| | | Enterprise Identifier (DED 0052) | | | | | Author (DED 0069) |
| | | Supplier Code | | CAGE Code (DED 0001) | Organizational Acronym (DED 0002) | Company Name (DED 0170) | |
| | | ICD (DED 0323) | Organization Identification Code (DED 0322) | | | | |
| DWG | NUMBER | X | X | X | | X | |
| LIST | NUMBER | X | X | X | | X | |
| SPEC | NUMBER | X | X | X | | X | |
| STD | NUMBER | X | X | X | X | X | |
| PARTMOD | NUMBER | X | X | X | | X | |
| SWDOC | NUMBER | X | X | X | | X | X |
| | TITLE | | | | | X | X |
| ECP | NUMBER | X | X | X | | X | |
| NOR | NUMBER | X | X | X | | X | |
| RFD | NUMBER | X | X | X | | X | |
| MWO | NUMBER | X | X | X | USA, USN, USMC, USAF | X | |
| | TITLE | | | | | X | |
| TECHMAN | NUMBER | | | | USA, USN, USMC, USAF | X | |
| | TITLE | | | | | X | |
| GENDOC | NUMBER | X | X | X | X | X | X |
| | TITLE | X | X | X | X | X | X |
| DOCSUP | NUMBER | X | X | X | X | X | |
| | TITLE | | | | | X | |

Note: "X" indicates any valid entry is permissible; "blank" indicates that this combination of document category, document identification type, and source identifier type is not supported.

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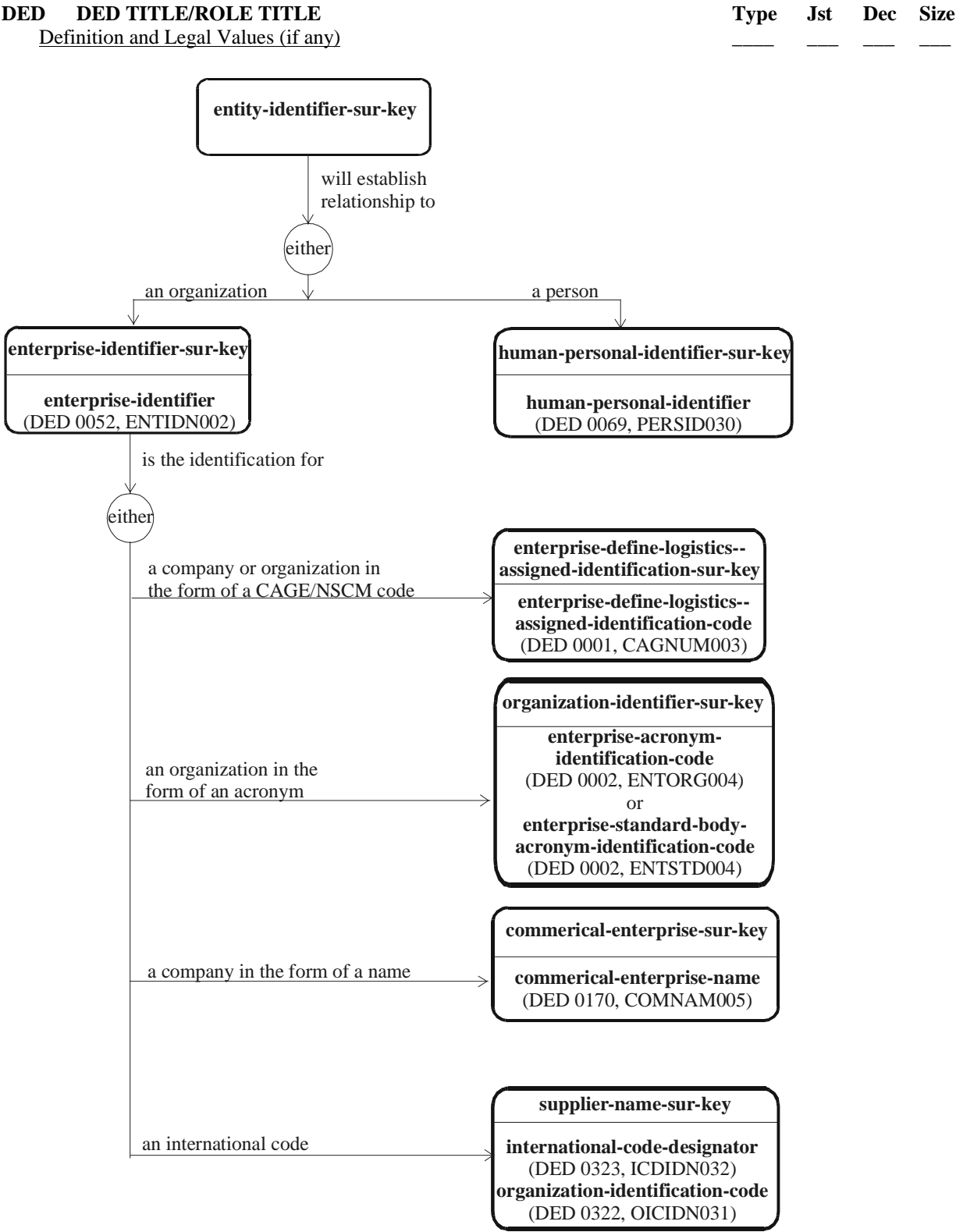


Figure C- 1. Established relationship used in identifying people or organizations

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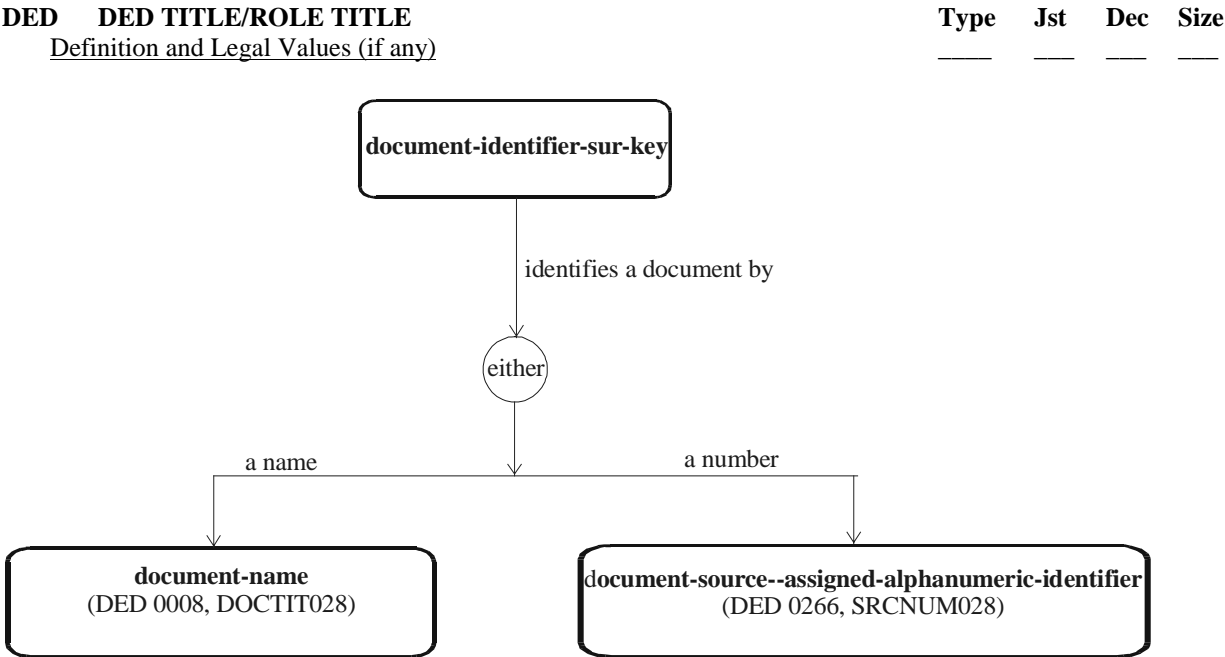
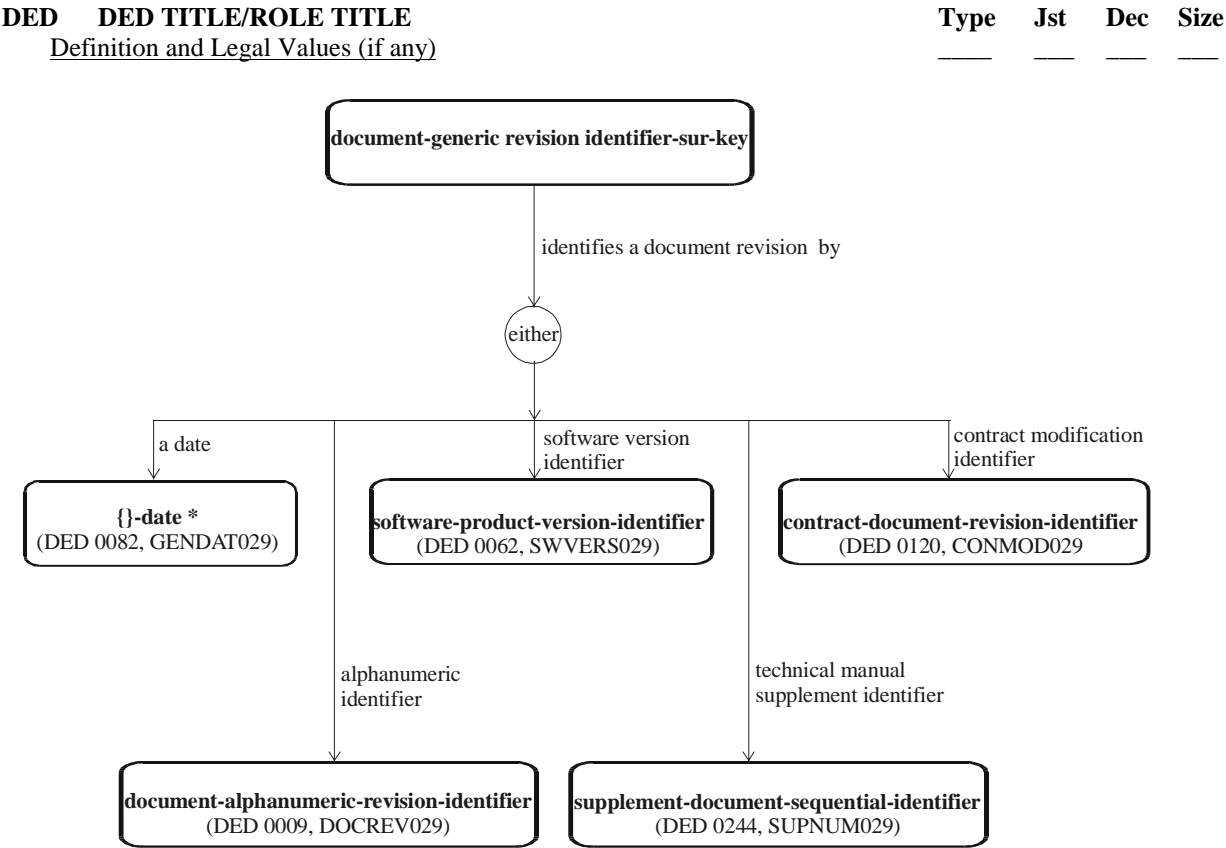


Figure C-2. Established relationship used in identifying a document

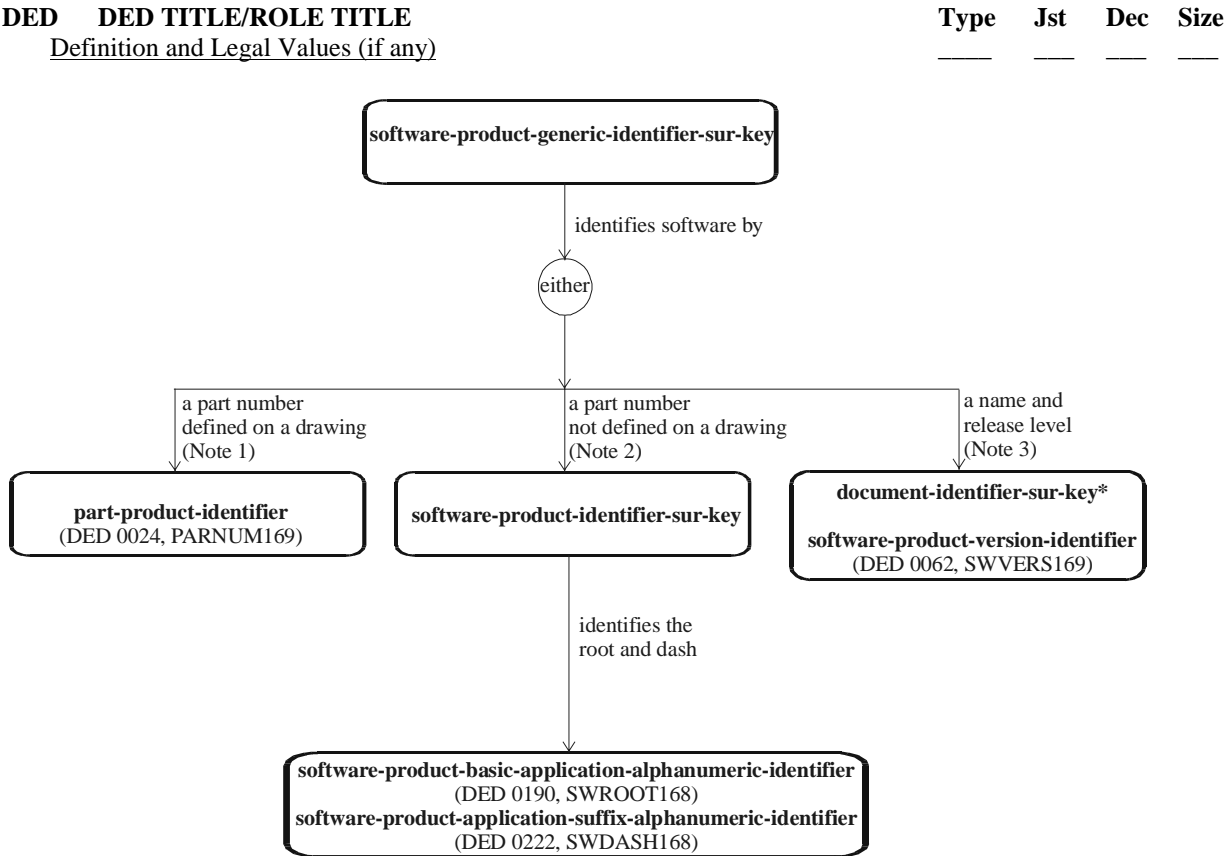
APPENDIX C



* See Figure C-5 for established relationship on {}date

Figure C-3. Established relationship used in identifying a document’s revision

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* See Figure D-2

- Notes:
1. Drawing paradigm: Each software application is identified by an engineering drawing number and each release of software is identified by a part number which is defined on the tabulated engineering drawing. The engineering drawing usually contains build instructions for the software. Whenever changes to the software occur that cause the changed software to be not fully interchangeable with the existing software, a new part number suffix ("dash number") is assigned. Changes can occur to the drawing without affecting the software.
 2. Dash-number paradigm: Each software application is identified by a root-number that identifies the basic software and the initial release and each change to the software (that causes the revised software to be not fully interchangeable with the existing software) is assigned a separate suffix (dash number). There is no associated engineering drawing; build instructions are usually in a "READ-ME" file in the source code.
 3. Software Release paradigm: Each software application is treated like a document and therefore, is identified by a name (or sometimes, by an alphanumeric "number"). The initial release is assigned a Release number. Whenever changes to the software occur that cause the changed software to be not fully interchangeable with the existing software, a new Release number is assigned.

Figure C-4. Established relationship used in identifying software

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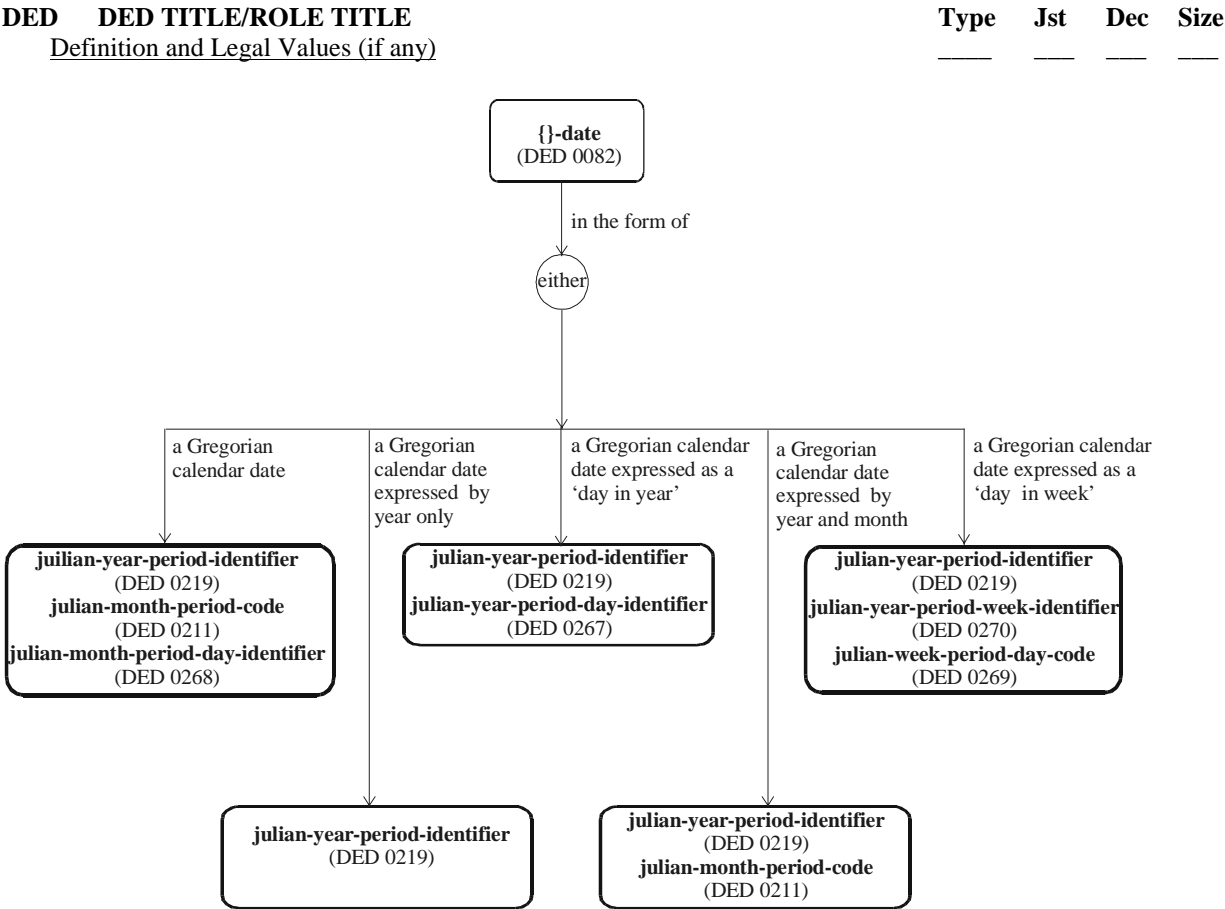
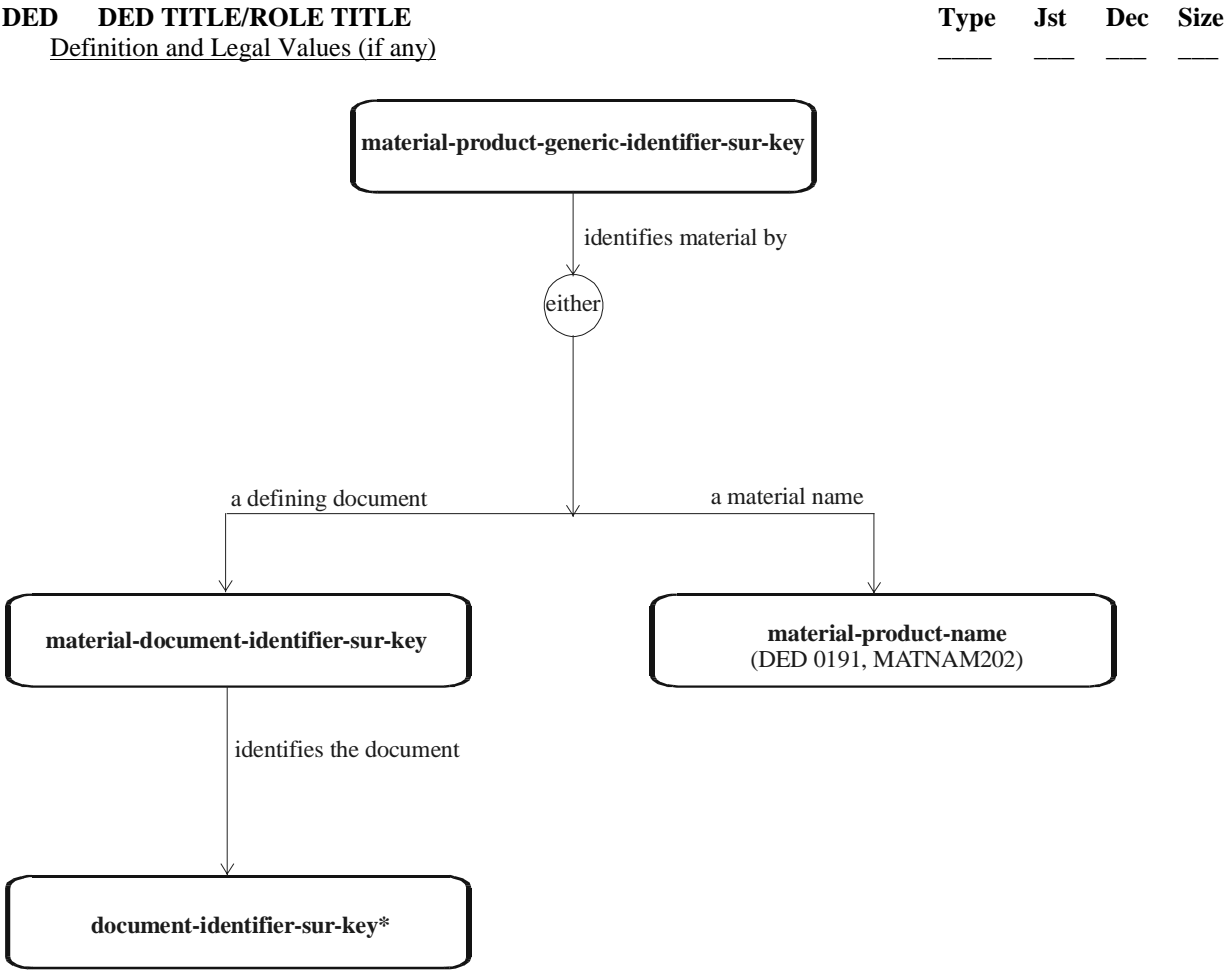


Figure C-5. Established relationship used in identifying dates



* See Figure C-2

Figure C-6. Established relationship used in identifying material for which there is no part number

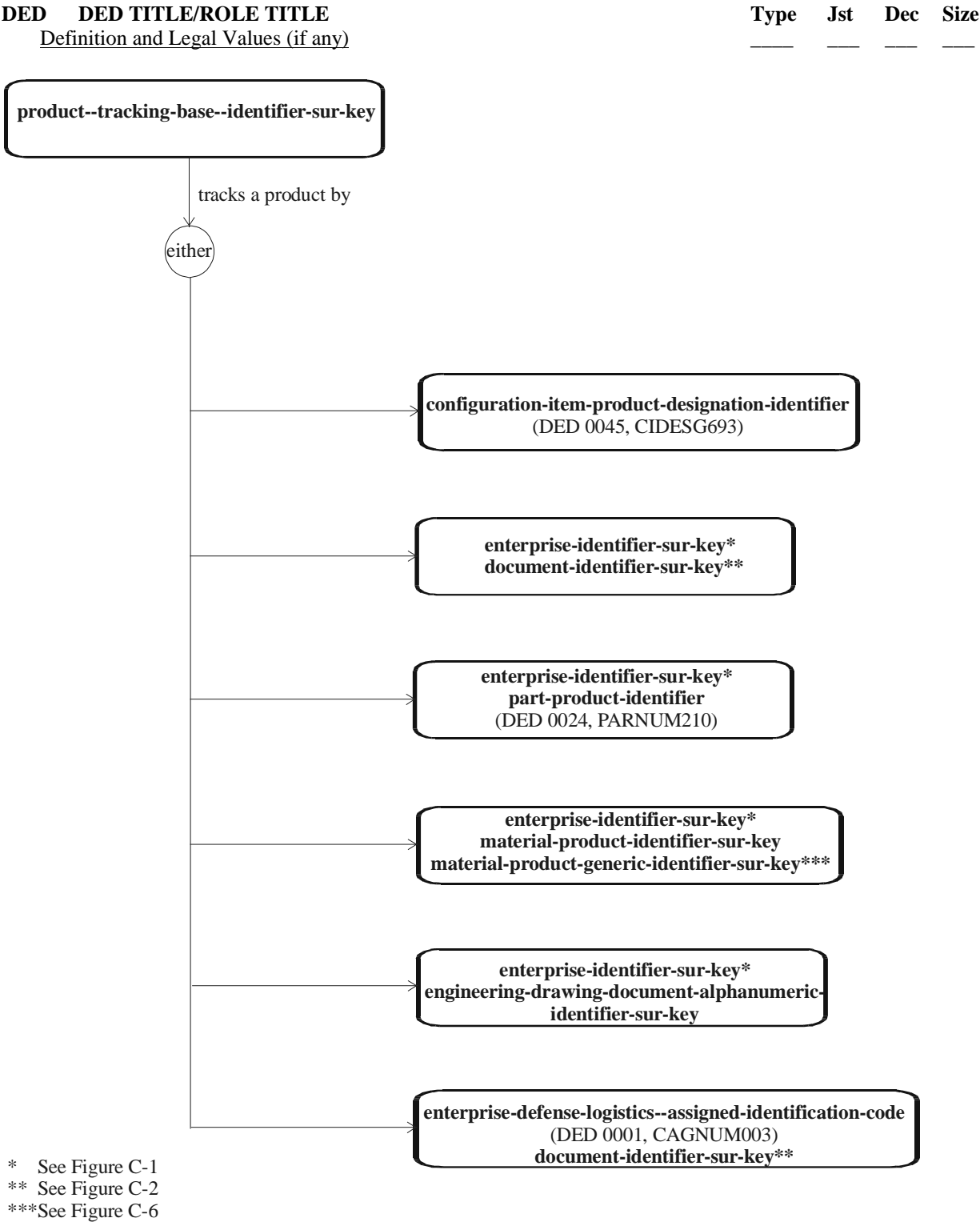


Figure C-7. Established relationship used to track products

APPENDIX D

DATA INTERFACE TRANSACTIONS

D.1 SCOPE.

D.1.1 Scope. This appendix describes the messages, transaction sets and data information packets to be used when ordering data.

D.2 APPLICABLE DOCUMENTS.

Extensible Markup Language (XML) 1.0, W3C Recommendation, 10 February 1998

D.3 DEFINITIONS.

The acronyms and definitions in Section 3 of this standard apply to this appendix.

D.4 GENERAL REQUIREMENTS.

D.4.1 Introduction.

D.4.1.1 This section has been divided into two sub-sections. The first section discusses the presentation tool for the DIPs and information on how to navigate the tool. It also discusses the terminology and symbology used in the DIPs. The second section discusses each of the DIPs, their content and relationship to each other.

D.4.1.2 DIP Structure

D.4.1.2.1 A DIP is a hierarchical structure of elements. The DIPs are presented in a database in a Microsoft Office 97 version of ACCESS. This database provides all of the information required for each of the individual DIPs, including pop-up access to the appropriate Data Element Definitions (DED), with attributes, from Appendix C. Before launching the Access tool, the reader should become familiar with the linked [readme](#) file. Once you have read and followed its instructions, then the reader can launch the Access tool using this [link](#).

D.4.1.2.2 The first screen presented is titled AMC Standard 2549 Rev A Data Information Packets. It contains basic information about the elements and their relationship to each other. The relationships are shown through a structure of indentation with elements of the same stature having the same amount of indenture. The structure (top of screen) is navigated by clicking on the boxes alongside the element names to expand or contract the structure and by clicking on the element name to display its attributes. The fields (bottom of screen) are described as follows:

The “DED” number is the element number that relates back to Appendix C.

The “Type of Element” may be one of three types – a field, group or choice. A ‘group’ associates a parent (or group) name with a set of children. For example, a “Date-Time Group” (parent) would consist of a “Date” element and a “Time” element (children). A ‘choice’ associates a group name with a set of choices. For example, a “Document-Revision-Group” allows a choice of one of two methods for identifying a revision to a document – either a “Revision-Date-Time-Group” or an “Alphanumeric-Revision-Identifier”. For a given document, only one of the choices would be selected and transmitted.

The “Cardinality” is defined as the number of times an element can be associated with its parent. The following table defines the cardinality used in the DIPs.

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| Cardinality | Meaning |
|-------------|---|
| 1 | Mandatory element that must occur only once. |
| 0:1 | Optional element that, if occurs, may only occur once. |
| 0:N | Optional element that, if occurs, may occur many times. |
| 1:N | Mandatory element that must occur once, but may occur many times. |
| 2:N | Mandatory element that must occur twice, but may occur many times |

Table D-1

The “Element” is the name of a data element for a specific use in a specific indenture. The Appendix C name may be used many times for various purposes. The element name is only used where the specific application is exactly the same.

The “Definition Name Found in Appendix C” is the name of that CM element in a format that complies with DoD 8320.1-M-1. Because these names may be extremely long, and unwieldy, the elements have been renamed for use in the DIPs as “Elements”. This name is also called the “role” name.

The “Business Rule” contains validation information specific to this parent child relationship.

The “Definitions” button provides additional attributes about the DED. When selected, it will present a second screen that provides the following:

The “Type” is the characteristics of the DED.

The “Decimal” is the placement of the decimal within the element when it is a floating-point or fixed-point number.

The “Size” is the number of character positions in the element. If the length is variable, the maximum length is specified.

The “Justification” specifies from which side of the field the characters are entered.

The “Paragraph” is the specific definition for the element (role) used in a particular DIP. If there are questions about the definition, the user should refer to Appendix C.

D.4.2 DIP Content and Relationships

D.4.2.1 DIP Content

D.4.2.1.1 Data Information Packets (DIP) are used as building blocks that can be assembled into data transaction sets or messages for submitting deliverables that satisfy contractual data requirements or that exchange data between databases. DIPs define the metadata and relationship structure that describes the products, product structure and documents needed for configuration

Data Information Packets

Products

- Part
- Software

Product Structure

- Part-Relationship

Documents

Product Definition Documents

- Drawing
- Associated-List
- Specification
- Standard
- Part-Model
- Software-Documentation

Configuration Control Documents

- Engineering-Change-Proposal
- Notice-Of-Revision
- Request-For-Deviation

Other Product Related Documents

- Technical-Manual
- General-Document
- Document-Supplement

Figure D-1

APPENDIX D

management of a weapon system throughout its life cycle. The DIPs addressed in the current revision of this document are shown in Figure D-1. Additional DIPs will be addressed in later revisions.

The DIPs associated with Products are Parts and Software. The Product DIPs define metadata about the products, such as their identifier, their defining documents, and, if applicable, suitable replacement products.

The DIP associated with Product Structure defines the metadata about part relationships and attributes of that relationship. The metadata includes the assembly identifier, the component or document identifier, and attributes of the relationship, as appropriate. These attributes include quantity, unit of measure, and alternate/substitute parts. The specific relationships covered in this DIP are: assemblies to subassemblies, assemblies to component parts, assemblies to component software, assemblies (or piece parts) to inspection or packaging products, and assemblies (or piece parts) to documents that support manufacture, test, inspection, or packaging.

The DIPs associated with Documents have been organized into three major areas: 1. Documents that are traditionally identified with product definition, test, inspection, and packaging; 2. Documents used in controlling product configuration; and 3. Other product related documents. These DIPs contain metadata such as the document identifier, author, current change authority, title, revision and identification of the products being defined.

D.4.2.2 DIP Relationships

D.4.2.2.1 Each DIP is a combination of elements to satisfy a specific need. They should be used in combination to fully describe a product and its documentation. For example, a drawing is created that defines two parts. Additionally, a supplemental quality assurance document is prepared. To transmit this information, the following DIPS should be created. DIP 1 – Drawing, DIP 2 – General Document (QAP), DIP 3 – Part, DIP 4 – Part, DIP 5 – Part Relationship, DIP 6 – Part Relationship. However, the specific DIPs needed must be determined by the level of configuration management required at a given point in a products life cycle.

D.5 DETAIL REQUIREMENTS

D.5.1 Introduction

D.5.1.1 The formulation of the message used to transmit a transaction set must be developed in exacting detail to allow for the successful transmission/acceptance of the transaction set. The information in this section provides the detailed requirements to format and develop the message.

D.5.1.2 Message Preparation

D.5.1.2.1 The form of a message used to transmit a transaction set shall be an ASCII text file that conforms to the World Wide Web's recommendations for XML version 1.0. The message shall consist of three parts: a header, the data information packets and the footer.

D.5.1.2.2 Preparing the Header

The Header information shall consist of a line that identifies the XML version, a line that identifies the location of the Document Type Definition that an XML capable browser will use to validate the form of the message, and a line that initiates the message and gives specific information about the message. The specific message information includes an attribute that references this standard, an attribute that identifies the organization that prepared the message, an attribute that is used to identify the message, an attribute that identifies a person to call in case of questions, an attribute that identifies the relevant contract number, and an attribute that lists the purpose(s) of the transaction. The three lines are as follows:

```
<?xml version = "1.0"?>
```

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```
<!DOCTYPE Data-Information-Packets SYSTEM "http://ria-
iea.ria.army.mil/ai/eng_data/ai/eng_data/dtd/amc-std-2549-reva.dtd">

<Data-Information-Packets
  Standard = "AMC STD 2549 Rev A"
  Message-Source = "UUU"
  Message-ID = "XXX"
  Point-Of-Contact = "YYY"
  Contract-Number = "ZZZ"
  Transaction-Purpose = "WWW">
```

where UUU is the name of the originating organization, XXX is a reference identifier assigned by the message originator, YYY is the name and phone number of a person who can be contacted about the message, ZZZ is the contract number requiring the delivery of this transaction(s) and WWW is a statement of the purpose(s) of the transaction.

D.5.1.3 Preparing the Data Information Packets

XML uses tags to mark the beginning and end of a specific piece of data. The element names given in the detailed requirements section will be used as part of the tag. Tags are a matched pair and have the following form:

```
<Element-Name>DDDD</Element-Name>
```

where DDDD is the specific data. Thus, the first and the last tag of any data information packet would be: <Packet-Name>packet data</Packet-Name>. The message may contain as many DIPs of as many different types as necessary to accomplish the transaction.

Each DIP has its own structure as described in section 5.2. Detailed Requirements. As discussed above, elements have a cardinality and are of one of three types – field, group and choice. Cardinality determines whether a tagged set is optional, required and/or repeatable. “Field” tags are constructed from field element names and are used to mark the specific data that is defined by the DED and role name with which it is associated. “Group” tags are used to mark a series of tags that are to be treated as a unit. “Choice” tags are used to mark the element that was chosen. The following three examples will illustrate each of these types.

If a document is identified by an identifier, “XYZ”, and the corresponding DIP element name is “Document-Identifier” having a type “field”, then the message fragment would look like:

```
<Document-Identifier>XYZ</Document-Identifier>.
```

A “Date-Time-Group” is frequently used within the DIPs. It consists of the “Date” field and the “Time” field, (optional). If the date is 3 November 2000 and the time is 12:01:30 central standard time, it would look like:

```
<Date-Time-Group>
  <Date>20001103</Date>
  <Time>120130-6</Time>
</Date-Time-Group>.
```

If only the date were to be sent, it would look like:

```
<Date-Time-Group><Date>20001103</Date></Date-Time-Group>.
```

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A “Revision-Identification-Group” is also frequently used within the DIPs. It consists of a choice of either an “Alphanumeric-Identifier” field or a “Date-Time-Group”. If a document has a revision identifier of “B”, it would look like:

```
<Revision-Identification-Group>  
<Alphanumeric-Identifier>B</Alphanumeric-Identifier>  
</Revision-Identification-Group>.
```

On the other hand, if the document’s revision identifier is 3 November 2000, it would look like:

```
<Revision-Identification-Group>  
  <Date-Time-Group>  
    <Date>20001103</Date>  
  </Date-Time-Group>  
</Revision-Identification-Group>.
```

D.5.1.4 Preparing the footer

The footer is simply the closing tag of the DIP and would look like

```
</Data-Information-Packets>
```

D.5.2 Detail DIP Description

D.5.2.1 Each DIP has been developed in an indented hierarchical design to display the relationships and information required for the development of the transaction set. This format provides an easily viewed structure. The transaction set must be formulated using the requirements defined in D.5.1.3 to ensure successful transmission/acceptance of the data.

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| Data Information Packet Name: Part | | | | | |
| __Part-Identification-Group | | group | 1 | 0600 | part-identification |
| __Part-Identifier-Source-Group | | choice | 1 | 0600 | product-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Part-Identifier-Group | | group | 1 | 0600 | part-identifier |
| __Part-Number | | field | 1 | 0024 | product-identifier |
| __Part-Parameters-Group | | group | 0:N | 0600 | part-parameters |
| __Part-Classification-Code | | field | 1 | 0036 | part-classification-type-code |
| __Part-Classification-Value | | field | 1 | 0037 | part-classification-type-value |
| __Part-Defining-Document-Identification-Group | | group | 0:N | 0600 | product-defining-document-identification |
| __Defining-Document-Identifier-Source-Group | | choice | 1 | 0600 | defining-document-entity-identifier |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|--|--------------|-------------|------|---|
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Defining-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Altered-Item-Identification-Group | | group | 0:1 | 0600 | altered-item-identification |
| | The identification of the item that has been physically altered. | | | | |
| __Altered-Item-Identifier-Source-Group | | choice | 1 | 0600 | altered-item-product-source-identifier |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Altered-Item-Identifier | | field | 1 | 0024 | product-identifier |
| __Vendor-Part-Identification-Group | | group | 0:1 | 0600 | vendor-product-identification |
| __Vendor-Part-Identifier-Source-Group | | choice | 1 | 0600 | vendor-product-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Vendor-Part-Identifier-Group | | group | 1 | 0600 | vendor-product-identifier |
| __Part-Number | | field | 1 | 0024 | product-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Part-Parameters-Group | | group | 0:N | 0600 | part-parameters |
| __Part-Classification-Code | | field | 1 | 0036 | part-classification-type-code |
| __Part-Classification-Value | | field | 1 | 0037 | part-classification-type-value |
| __Replacing-Part-Group | | group | 0:1 | 0600 | replacing-product |
| __Replacing-Part-Identification-Group | | group | 1 | 0600 | replacing-product-identification |
| __Replacing-Part-Identifier-Source-Group | | choice | 1 | 0600 | replacing-product-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Replacing-Part-Identifier-Group | | group | 1 | 0600 | part-identifier |
| __Part-Number | | field | 1 | 0024 | product-identifier |
| __Part-Parameters-Group | | group | 0:N | 0600 | part-parameters |
| __Part-Classification-Code | | field | 1 | 0036 | part-classification-type-code |
| __Part-Classification-Value | | field | 1 | 0037 | part-classification-type-value |
| __Part-Replacement-Type-Code | | field | 1 | 0106 | product-replacement-type-code |
| __Part-Status-Code | | field | 0:1 | 0035 | product-status-code |
| __Stock-Number-Group | | group | 0:N | 0600 | stock-number |
| __Stock-Number | | field | 1 | 0049 | product-stock-identifier |
| __Stock-Number-Type | | field | 1 | 0333 | stock-number-type |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| If stock-number-type = 'Commercial', the element is non-blank else element is blank. | | | | | |
| __Part-Name | | field | 1 | 0191 | product-name |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---------------------------------------|---------------|--------------|-------------|------|---|
| __CI-Identification-Group | | group | 0:1 | 0600 | configuration-item-identifier |
| __CI-Designator-Source-Document | | field | 1 | 0051 | configuration-item-designation-convention-document-code |
| __CI-Product-Type-Code | | field | 1 | 0115 | configuration-item-product-type-code |
| __CI-Designator | | field | 1 | 0045 | configuration-item-product-designation-identifier |
| __Part-Life-Group | | group | 0:N | 0600 | part-life |
| __Part-Shelf-Life-Group | | group | 0:N | 0600 | part-shelf-life |
| __Part-Shelf-Life-Code | | field | 1 | 0094 | supply-item-control-shelf-life-code |
| __Part-Shelf-Life-Storage-Type | | field | 1 | 0033 | product-shelf-life-storage-type |
| __Part-Service-Life-Group | | group | 0:N | 0600 | part-service-life |
| __Part-Service-Life-Period | | field | 1 | 0086 | product-service-life-period-quantity |
| __Part-Service-Life-Period-Unit-Code | | field | 1 | 0232 | period-unit-code |
| __Product-Service-Life-Usage | | field | 1 | 0038 | product-service-life-usage |
| __Part-Electrostatic-Discharge-Code | | field | 0:1 | 0074 | supply-item-electrostatic-discharge-electromagnetic-interference-code |
| __Part-Weight-Group | | group | 0:1 | 0600 | part-weight |
| __Part-Weight | | field | 1 | 0114 | part-unit-weight |
| __Part-Weight-Unit-Code | | field | 1 | 0054 | part-measurement-unit-code |
| __Hazardous-Material-Code | | field | 0:1 | 0078 | supply-item-hazardous-material-code |
| __Part-Precious-Metal-Code | | field | 1 | 0093 | supply-item-precious-metals-indicator-code |
| __Part-Effectivity-Tracking-Type-Code | | field | 0:1 | 0057 | product-change-effectivity-tracking-type-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| Data Information Packet Name: Software | | | | | |
| __Software-Identification-Group | | group | 1 | 0600 | software-identification |
| __Software-Identifier-Source-Group | | choice | 1 | 0600 | product-identifier-source |
| __Human-Personal-Identifier-Group | | group | 1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Software-Identifier | | field | 1 | 0024 | product-identifier |
| __Software-Defining-Document-Identification-Group | | group | 0:N | 0600 | software-defining-document-identification |
| __Defining-Document-Identifier-Source-Group | | choice | 1 | 0600 | defining-document-entity-identifier |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Defining-Document-Identifier | | field | 1:N | 0266 | document-source-assigned-alphanumeric-identifier |
| __Security-Protection-Group | | group | 1 | 0600 | security-protection |
| __Government-Security-Classification-Group | | group | 1 | 0600 | government-security-classification |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---|--------------|-------------|------|---|
| __Government-Security-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Classification-Information-Group | | group | 0:1 | 0600 | classification-information |
| | If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non- blank | | | | |
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |
| __Downgrade-Information-Group | | group | 0:1 | 0600 | downgrade-information |
| | If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | | | | |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |
| __Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __Date | | field | 1 | 0082 | document-security-declassification-date |
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group | | choice | 0:1 | 0600 | copyright-owner-identification |
| | If Copyright type equal 'N' then element is blank else element is non-blank | | | | |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Copyright-Date-Time-Group | | group | 0:1 | 0600 | copyright-date-time |
| | If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | | | | |
| __Date | | field | 1 | 0082 | document-copyright-date |
| __Time | | field | 0:1 | 0160 | document-copyright-time |
| __Distribution-Information-Group | | group | 1 | 0600 | distribution-information |
| __Distribution-Statement-Code-Group | | group | 1 | 0600 | distribution-statement-code |
| __Distribution-Statement-Code | | field | 1 | 0014 | document-distribution-statement-code |
| __Distribution-Statement-Reason-Code | | field | 1:N | 0015 | document-distribution-statement-reason-code |
| __Distribution-Statement-Information-Group | | group | 0:1 | 0600 | distribution-statement-information |
| | If Distribution statement code equal "A" and the Distribution statement reason code equal "00" then the Distribution statement information group is blank else the Distribution statement information group is non-blank | | | | |
| __Distribution-Statement-Determination-Date-Time-Group | | group | 1 | 0600 | distribution-statement-date-time |
| __Date | | field | 1 | 0082 | document-distribution-restriction-determination-date |
| __Time | | field | 0:1 | 0160 | document-distribution-restriction-determination-time |
| __Distribution-Controlling-Office-Group | | group | 1 | 0600 | distribution-controlling-office |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Distribution-Controlling-Office-Name | | field | 0:1 | 0044 | document-distribution-controller-enterprise-office-name |
| __Export-Control-Restriction-Code | | field | 1 | 0079 | document-export-control-code |
| | If distribution-statement-code equals 'A' then element must be 'N'; If distribution-statement-code equals 'X' then element must be 'Y'. | | | | |
| __Data-Rights-Information-Group | | group | 1 | 0600 | data-rights-information |
| __Government-Rights-In-Technical-Data-Code | | field | 1 | 0022 | technical-document-government-data-rights-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---|--------------|-------------|------|---|
| __Company-Proprietary-Rights-Code | | field | 1 | 0084 | document-company-proprietary-data-rights-code |
| | If the Government Rights in Technical Data code equal 'U' then the element is either 'N' or 'S' else the element is 'P'. | | | | |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| | If the Government rights in Technical Data code equal "U" and the Company Proprietary rights code equal "N" then the Company name is blank else the Company name is non-blank | | | | |
| __Contract-Authorizing-Government-Rights-Group | | group | 0:1 | 0600 | contract-identifier-information-authorizing-government-rights |
| | If the Government rights in Technical Data code equal 'U' or 'N' then the element is blank else the element is non-blank. | | | | |
| __Data-Rights-Contract-Number | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Data-Rights-Contract-Date-Time-Group | | group | 1 | 0600 | contact-data-rights-date-time |
| __Date | | field | 1 | 0082 | contract-date |
| __Time | | field | 0:1 | 0160 | contract-time |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| Data Information Packet Name: Part-Relationship | | | | | |
| __Parent-Part-Identification-Group | | group | 1 | 0600 | parent-part-identification |
| __Parent-Part-Identifier-Source-Group | | choice | 1 | 0600 | parent-part-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Parent-Part-Identifier-Group | | group | 1 | 0600 | parent-part-identifier |
| __Part-Number | | field | 1 | 0024 | product-identifier |
| __Part-Parameters-Group | | group | 0:N | 0600 | part-parameters |
| __Part-Classification-Code | | field | 1 | 0036 | part-classification-type-code |
| __Part-Classification-Value | | field | 1 | 0037 | part-classification-type-value |
| __Child-Group | | group | 1:N | 0600 | child |
| __Child-Relationship-Type | | field | 1 | 0048 | relationship-type |
| __Child-Relationship-Group | | choice | 1 | 0600 | child-relationship |
| __Child-Part-Group | | group | 0:1 | 0600 | child-part |
| If Child Relationship Type = CP, IP, PP or RP, element must be non-blank else element must be blank. | | | | | |
| __Child-Part-Identification-Group | | group | 1 | 0600 | child-part-identification |
| __Part-Identifier-Source-Group | | choice | 1 | 0600 | product-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Part-Identifier-Group | | group | 1 | 0600 | part-identifier |
| __Part-Number | | field | 1 | 0024 | product-identifier |
| __Part-Parameters-Group | | group | 0:N | 0600 | part-parameters |
| __Part-Classification-Code | | field | 1 | 0036 | part-classification-type-code |
| __Part-Classification-Value | | field | 1 | 0037 | part-classification-type-value |
| __Quantity | | field | 1 | 0053 | part-component-quantity |
| __Quantity-Estimated | | field | 1 | 0060 | part-quantity-estimate-code |
| __Unit-Of-Measure | | field | 1 | 0054 | part-measurement-unit-code |
| __Find-Number | | field | 0:1 | 0027 | part-document-item-identifier |
| __Preferred-Alternate-Substitute-Indicator-Group | | group | 0:1 | 0600 | preferred-alternate-substitute-indicator |
| Preferred-Alternate-Substitute Indicator Group may be blank only if the child part is a preferred part else Preferred-Alternate-Substitute Indicator Group must be non-blank. | | | | | |
| __Preferred-Alternate-Substitute-Part-Indicator-Code | | field | 1 | 0258 | part-priority-indicator-code |
| __Preferred-Part-For-Which-This-Is-An-Alternate-Or-Substitute | | group | 0:1 | 0600 | preferred-part |
| If Preferred-Alternate-Substitute Part Indicator Code = 'A' or 'S', must be non-blank. | | | | | |
| __Part-Identifier-Source-Group | | choice | 1 | 0600 | product-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---|--------------|-------------|------|---|
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Part-Identifier-Group | | group | 1 | 0600 | part-identifier |
| __Part-Number | | field | 1 | 0024 | product-identifier |
| __Part-Parameters-Group | | group | 0:N | 0600 | part-parameters |
| __Part-Classification-Code | | field | 1 | 0036 | part-classification-type-code |
| __Part-Classification-Value | | field | 1 | 0037 | part-classification-type-value |
| __Child-Software-Identification-Group | If Child Relationship Type = CS, element must be non-blank, else element must be blank. | group | 0:1 | 0600 | child-software-identification |
| __Child-Software-Indentifier-Source-Group | | choice | 1 | 0600 | child-software-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Child-Software-Identifier | | field | 1 | 0024 | product-identifier |
| __Reference-Documents-Group | If Child Relationship Type = RD, element must be non-blank, else element must be blank | group | 0:1 | 0600 | reference-document-identification |
| __Document-Identifier-Source-Group | | choice | 1 | 0600 | document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--------------|---------------------------------------|--------------|-------------|------|---|
| | Identifier-Code-List-Source-Certifier | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| | Identifier-Code-List-Identifier-Code | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| | Identifier-Code | field | 1 | 0329 | enterprise-identifier-code |
| | Document-Identifier | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| | Revision-Identification-Group | choice | 0:1 | 0600 | revision-identification |
| | Revision-Date-Time-Group | group | 0:1 | 0600 | revision-date-time |
| | Date | field | 1 | 0082 | document-revision-generic-date |
| | Time | field | 0:1 | 0160 | document-revision-generic-time |
| | Alphanumeric-Revision-Identifier | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| Data Information Packet Name: Drawing | | | | | |
| __Base-Document-Identification-Group | | group | 1 | 0600 | base-document-identification |
| __Document-Identifier-Source-Group | | choice | 1 | 0600 | document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Document-Revision-Group | | group | 1 | 0600 | document-revision |
| __Revision-Identification-Group | | choice | 1 | 0600 | revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Revision-Status-Group | | group | 1 | 0600 | document-revision-status |
| __Revision-Status-Code | | field | 1 | 0021 | document-revision-approval-process-disposition-status-code |
| __Revision-Status-Date-Time-Group | | group | 1 | 0600 | document-revision-status-date-time |
| __Date | | field | 1 | 0082 | document-revision-approval-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-revision-approval-process-disposition-status-time |
| __Drawing-Document-Subsidiary-Type-Group | | choice | 1 | 0600 | drawing-document-subsidiary-type |
| __Design-Information-Drawings-Subsidiary-Type-Code | | field | 0:1 | 0097 | Design-information-drawings-subsidiary-type-code |
| __Hardware-Software-Drawings-Subsidiary-Type-Code | | field | 0:1 | 0124 | Hardware-software-drawings-subsidiary-type-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---------------------------------------|---------------|--------------|-------------|------|---|
| Control-Drawing-Type-Code | | field | 0:1 | 0032 | administrative-control-drawing-document-type-code |
| Document-Title | | field | 1 | 0008 | document-name |
| Document-Preparation-Date-Time-Group | | group | 1 | 0600 | document-preparation-date-time |
| Date | | field | 1 | 0082 | document-preparation-date |
| Time | | field | 0:1 | 0160 | document-preparation-time |
| Drawing-Note-Group | | group | 0:N | 0600 | drawing-note |
| Drawing-Note-Identifier | | field | 1 | 0251 | engineering-drawing-document-note-identifier |
| Drawing-Note-Text | | field | 1 | 0252 | engineering-drawing-document-note-text |
| Special-Condition-Code | | field | 0:N | 0257 | engineering-document-special-condition-code |
| Hazardous-Material-Code | | field | 0:1 | 0078 | supply-item-hazardous-material-code |
| Separate-Parts-List-Code | | field | 1 | 0025 | separate-parts-list-document-code |
| CDCA-Group | | group | 1 | 0600 | current-document-change-authority |
| CDCA-Identification-Group | | group | 1 | 0600 | current-document-change-authority-identification |
| CDCA-Identifier-Group | | choice | 1 | 0600 | current-document-change-authority-identifier |
| Company-Name | | field | 0:1 | 0170 | enterprise-name |
| Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| CDCA-Office-Name | | field | 0:1 | 0044 | current-document-design-control-enterprise-office-name |
| CDCA-Effective-Date-Time-Group | | group | 0:1 | 0600 | current-document-change-authority-effective-date-time |
| Date | | field | 1 | 0082 | document-change-control-authority-effective-date |
| Time | | field | 0:1 | 0160 | document-change-control-authority-effective-time |
| Product-Defined-Group | | choice | 0:N | 0600 | product-defined |
| Part-Identification-Group | | group | 0:1 | 0600 | part-identification |
| Part-Identifier-Source-Group | | choice | 1 | 0600 | product-identifier-source |
| Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Part-Identifier-Group | | group | 1 | 0600 | part-identifier |
| __Part-Number | | field | 1 | 0024 | product-identifier |
| __Part-Parameters-Group | | group | 0:N | 0600 | part-parameters |
| __Part-Classification-Code | | field | 1 | 0036 | part-classification-type-code |
| __Part-Classification-Value | | field | 1 | 0037 | part-classification-type-value |
| __Software-Identification-Group | | group | 0:1 | 0600 | software-identification |
| __Software-Identifier-Source-Group | | choice | 1 | 0600 | product-identifier-source |
| __Human-Personal-Identifier-Group | | group | 1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Software-Identifier | | field | 1 | 0024 | product-identifier |
| __Related-Document-Group | | group | 0:N | 0600 | related-document |
| __Related-Document-Relationship-Type | | field | 1 | 0048 | relationship-type |

Must be either 'RD' or 'IA'

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Related-Document-Identifier-Source-Group | | choice | 1 | 0600 | related-document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Related-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Related-Document-Revision-Identification-Group | | choice | 0:1 | 0600 | related-document-revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __ECP-Authorizing-This-Revision-Group | | group | 0:N | 0600 | engineering-change-proposal-authorizing-this-revision |
| __ECP-Identifier-Source-Group | | choice | 1 | 0600 | engineering-change-proposal-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---|--------------|-------------|------|---|
| __ECP-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __ECP-Revision-Identification-Group | | choice | 0:1 | 0600 | engineering-change-proposal-revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Security-Protection-Group | | group | 1 | 0600 | security-protection |
| __Government-Security-Classification-Group | | group | 1 | 0600 | government-security-classification |
| __Government-Security-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Classification-Information-Group | | group | 0:1 | 0600 | classification-information |
| | If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non- blank | | | | |
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |
| __Downgrade-Information-Group | | group | 0:1 | 0600 | downgrade-information |
| | If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | | | | |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |
| __Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __Date | | field | 1 | 0082 | document-security-declassification-date |
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group | | choice | 0:1 | 0600 | copyright-owner-identification |
| | If Copyright type equal 'N' then element is blank else element is non-blank | | | | |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Copyright-Date-Time-Group | | group | 0:1 | 0600 | copyright-date-time |
| | If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | | | | |
| __Date | | field | 1 | 0082 | document-copyright-date |
| __Time | | field | 0:1 | 0160 | document-copyright-time |
| __Distribution-Information-Group | | group | 1 | 0600 | distribution-information |
| __Distribution-Statement-Code-Group | | group | 1 | 0600 | distribution-statement-code |
| __Distribution-Statement-Code | | field | 1 | 0014 | document-distribution-statement-code |
| __Distribution-Statement-Reason-Code | | field | 1:N | 0015 | document-distribution-statement-reason-code |
| __Distribution-Statement-Information-Group | | group | 0:1 | 0600 | distribution-statement-information |
| | If Distribution statement code equal "A" and the Distribution statement reason code equal "00" then the Distribution statement information group is blank else the Distribution statement information group is non-blank | | | | |
| __Distribution-Statement-Determination-Date-Time-Group | | group | 1 | 0600 | distribution-statement-date-time |
| __Date | | field | 1 | 0082 | document-distribution-restriction-determination-date |
| __Time | | field | 0:1 | 0160 | document-distribution-restriction-determination-time |
| __Distribution-Controlling-Office-Group | | group | 1 | 0600 | distribution-controlling-office |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---|--------------|-------------|------|---|
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Distribution-Controlling-Office-Name | | field | 0:1 | 0044 | document-distribution-controller-enterprise-office-name |
| __Export-Control-Restriction-Code | | field | 1 | 0079 | document-export-control-code |
| | If distribution-statement-code equals 'A' then element must be 'N'; If distribution-statement-code equals 'X' then element must be 'Y'. | | | | |
| __Data-Rights-Information-Group | | group | 1 | 0600 | data-rights-information |
| __Government-Rights-In-Technical-Data-Code | | field | 1 | 0022 | technical-document-government-data-rights-code |
| __Company-Proprietary-Rights-Code | | field | 1 | 0084 | document-company-proprietary-data-rights-code |
| | If the Government Rights in Technical Data code equal 'U' then the element is either 'N' or 'S' else the element is 'P'. | | | | |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| | If the Government rights in Technical Data code equal "U" and the Company Proprietary rights code equal "N" then the Company name is blank else the Company name is non-blank | | | | |
| __Contract-Authorizing-Government-Rights-Group | | group | 0:1 | 0600 | contract-identifier-information-authorizing-government-rights |
| | If the Government rights in Technical Data code equal 'U' or 'N' then the element is blank else the element is non-blank. | | | | |
| __Data-Rights-Contract-Number | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Data-Rights-Contract-Date-Time-Group | | group | 1 | 0600 | contact-data-rights-date-time |
| __Date | | field | 1 | 0082 | contract-date |
| __Time | | field | 0:1 | 0160 | contract-time |
| __Sheet-Management-Group | | choice | 1 | 0600 | sheet-management |
| __Non-Sheet-Managed-Document-Group | | group | 0:1 | 0600 | non-sheet-managed-document |
| __Document-Representation-Group | | group | 1:N | 0600 | document-representation |
| __Document-Representation-Originator-Group | | choice | 1 | 0600 | document-representation-originator |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Group | | choice | 1 | 0600 | document-representation-custodian |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Office-Name | | field | 1 | 0044 | document-custodial-enterprise-office-name |
| __Document-Representation-Version-Group | | group | 1 | 0600 | document-representation-version |
| __Version-Identification-Group | | field | 1 | 0600 | version-identification |
| __Version-Date-Time-Group | | group | 1 | 0600 | version-date-time |
| __Date | | field | 1 | 0082 | document-representation-creation-date |
| __Time | | field | 0:1 | 0160 | document-representation-creation-time |
| __Alphanumeric-Version-Identifier | | field | 1 | 0208 | document-representation-version-identifier |
| __Version-Status-Group | | group | 1 | 0600 | version-status |
| __Version-Status-Code | | field | 1 | 0021 | document-representation-release-process-disposition-status-code |
| __Version-Status-Date-Time-Group | | group | 1 | 0600 | version-status-date-time |
| __Date | | field | 1 | 0082 | document-representation-release-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-representation-release-process-disposition-status-time |
| __Document-Representation-Medium-Code | | field | 1 | 0326 | document-representation-medium-identification-code |
| __Document-Representation-Medium-Group | | choice | 1 | 0600 | representation-medium |
| __Digital-Representation-Group | | group | 0:1 | 0600 | digital-document-representation-information |
| If Document representation medium code = 'D' then Digital representation group is non-blank else Digital representation group is blank | | | | | |
| __Digital-Representation-Target-Environment-Type-Code | | field | 1 | 0210 | document-file-type-code |
| __Target-Environment-Group | | choice | 0:1 | 0600 | target-environment |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Standards-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | standards-based |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Standards-Based-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Standards-Based-Document-Revision-Group | | choice | 1 | 0600 | standards-based-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Proprietary-Software-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | proprietary-software-based |
| __Proprietary-Software-Based-Identifier-Source-Group | | choice | 1 | 0600 | proprietary-software-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--------------|---|--------------|-------------|------|---|
| | __Company-Name | field | 0:1 | 0170 | enterprise-name |
| | __Enterprise-Identifier-Code-Group | group | 0:1 | 0600 | enterprise-identifier-code |
| | __Identifier-Code-List-Source-Certifier | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| | __Identifier-Code-List-Identifier-Code | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| | __Identifier-Code | field | 1 | 0329 | enterprise-identifier-code |
| | __Proprietary-Software-Based-Identifier | field | 1 | 0024 | product-identifier |
| | __File-Identification-Group | group | 1:N | 0600 | file-identification |
| | __File-Identifier | field | 1 | 0206 | electronic-document-file-identifier |
| | __File-Identifier-Source-Group | choice | 0:1 | 0600 | file-identifier-source |
| | __Human-Personal-Identifier-Group | group | 0:1 | 0600 | human-personal-identifier |
| | __Human-Personal-Identifier-Source | field | 1 | 0044 | human-personal-identifier-source-identifier |
| | __Human-Personal-Identifier | field | 1 | 0069 | human-personal-identifier |
| | __Enterprise-Identification-Group | choice | 1 | 0600 | enterprise-identifier |
| | __Company-Name | field | 0:1 | 0170 | enterprise-name |
| | __Enterprise-Identifier-Code-Group | group | 0:1 | 0600 | enterprise-identifier-code |
| | __Identifier-Code-List-Source-Certifier | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| | __Identifier-Code-List-Identifier-Code | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| | __Identifier-Code | field | 1 | 0329 | enterprise-identifier-code |
| | __File-Origination-Date-Time-Group | group | 1 | 0600 | File-origination-date-time |
| | __Date | field | 1 | 0082 | electronic-document-file-creation-date |
| | __Time | field | 1 | 0160 | electronic-document-file-creation-time |
| | __File-Description | field | 0:1 | 0212 | document-file-description-text |
| | __File-Compression-Method-Code | field | 0:1 | 0214 | document-file-compression-method-code |
| | __File-Type-Group | group | 1 | 0600 | file-type |
| | __File-Type-Code | field | 1 | 0210 | document-file-type-code |
| | __File-Type-Information-Group | choice | 0:1 | 0600 | file-type-information |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Standards-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | standards-based |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Standards-Based-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Standards-Based-Document-Revision-Group | | choice | 1 | 0600 | standards-based-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Proprietary-Software-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | proprietary-software-based |
| __Proprietary-Software-Based-Identifier-Source-Group | | choice | 1 | 0600 | proprietary-software-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---|--------------|-------------|------|---|
| __ Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __ Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __ Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __ Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __ Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __ Proprietary-Software-Based-Identifier | | field | 1 | 0024 | product-identifier |
| __ Security-Protection-Group | | group | 1 | 0600 | security-protection |
| __ Government-Security-Classification-Group | | group | 1 | 0600 | government-security-classification |
| __ Government-Security-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __ Classification-Information-Group | If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non- blank | group | 0:1 | 0600 | classification-information |
| __ Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __ Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __ Date | | field | 1 | 0082 | document-security-classification-date |
| __ Time | | field | 0:1 | 0160 | document-security-classification-time |
| __ Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |
| __ Downgrade-Information-Group | If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | group | 0:1 | 0600 | downgrade-information |
| __ Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __ Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |
| __ Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __ Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __ Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __ Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __ Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __ Date | | field | 1 | 0082 | document-security-declassification-date |
| __ Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __ Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |

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| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Drawing-Size | | field | 0:1 | 0112 | document-sheet-size-code |
| __Document-Representation-Group | | group | 1:N | 0600 | document-representation |
| __Document-Representation-Originator-Group | | choice | 1 | 0600 | document-representation-originator |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Group | | choice | 1 | 0600 | document-representation-custodian |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Office-Name | | field | 1 | 0044 | document-custodial-enterprise-office-name |
| __Document-Representation-Version-Group | | group | 1 | 0600 | document-representation-version |
| __Version-Identification-Group | | field | 1 | 0600 | version-identification |
| __Version-Date-Time-Group | | group | 1 | 0600 | version-date-time |
| __Date | | field | 1 | 0082 | document-representation-creation-date |
| __Time | | field | 0:1 | 0160 | document-representation-creation-time |
| __Alphanumeric-Version-Identifier | | field | 1 | 0208 | document-representation-version-identifier |
| __Version-Status-Group | | group | 1 | 0600 | version-status |
| __Version-Status-Code | | field | 1 | 0021 | document-representation-release-process-disposition-status-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Proprietary-Software-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | proprietary-software-based |
| __Proprietary-Software-Based-Identifier-Source-Group | | choice | 1 | 0600 | proprietary-software-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Proprietary-Software-Based-Identifier | | field | 1 | 0024 | product-identifier |
| __File-Identification-Group | | group | 1:N | 0600 | file-identification |
| __File-Identifier | | field | 1 | 0206 | electronic-document-file-identifier |
| __File-Identifier-Source-Group | | choice | 0:1 | 0600 | file-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __File-Origination-Date-Time-Group | | group | 1 | 0600 | File-origination-date-time |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|--|--------------|-------------|------|---|
| __Date | | field | 1 | 0082 | electronic-document-file-creation-date |
| __Time | | field | 1 | 0160 | electronic-document-file-creation-time |
| __File-Description | | field | 0:1 | 0212 | document-file-description-text |
| __File-Compression-Method-Code | | field | 0:1 | 0214 | document-file-compression-method-code |
| __File-Type-Group | | group | 1 | 0600 | file-type |
| __File-Type-Code | | field | 1 | 0210 | document-file-type-code |
| __File-Type-Information-Group | | choice | 0:1 | 0600 | file-type-information |
| __Standards-Based-Group | | group | 0:1 | 0600 | standards-based |
| | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Standards-Based-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Standards-Based-Document-Revision-Group | | choice | 1 | 0600 | standards-based-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |

[illegible]

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| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __File-Size-In-Bytes | | field | 1 | 0601 | file-size-in-bytes |
| __File | | field | 1 | 0601 | file |
| __Computer-Operating-System-Type-Code | | field | 0:1 | 0213 | computer-operating-system-asset-type-code |
| __CITIS-Access-Information-Group | | group | 0:1 | 0600 | contractor-integrated-technical-information-service-information |
| __Non-Digital-Representation-Group | If Document representation medium identification not equal "D" then Non digital Document representation information group is non-blank else Non digital Document representation information group is blank | group | 0:1 | 0600 | non-digital-representation-information |
| __Multi-Sheet-Group | | group | 0:1 | 0600 | multi-sheet |
| __Total-Sheets | | field | 1 | 0110 | document-sheet-total-quantity |
| __Sheets-Group | | group | 2:N | 0600 | sheets |
| __Sheet-Number | | field | 1 | 0026 | document-sheet-identifier |
| __Drawing-Size | | field | 0:1 | 0112 | document-sheet-size-code |
| __Sheet-Revision-Group | | choice | 1 | 0600 | sheet-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Document-Representation-Group | | group | 1:N | 0600 | document-representation |
| __Document-Representation-Originator-Group | | choice | 1 | 0600 | document-representation-originator |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Document-Representation-Custodian-Group | | choice | 1 | 0600 | document-representation-custodian |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Office-Name | | field | 1 | 0044 | document-custodial-enterprise-office-name |
| __Document-Representation-Version-Group | | group | 1 | 0600 | document-representation-version |
| __Version-Identification-Group | | field | 1 | 0600 | version-identification |
| __Version-Date-Time-Group | | group | 1 | 0600 | version-date-time |
| __Date | | field | 1 | 0082 | document-representation-creation-date |
| __Time | | field | 0:1 | 0160 | document-representation-creation-time |
| __Alphanumeric-Version-Identifier | | field | 1 | 0208 | document-representation-version-identifier |
| __Version-Status-Group | | group | 1 | 0600 | version-status |
| __Version-Status-Code | | field | 1 | 0021 | document-representation-release-process-disposition-status-code |
| __Version-Status-Date-Time-Group | | group | 1 | 0600 | version-status-date-time |
| __Date | | field | 1 | 0082 | document-representation-release-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-representation-release-process-disposition-status-time |
| __Document-Representation-Medium-Code | | field | 1 | 0326 | document-representation-medium-identification-code |
| __Document-Representation-Medium-Group | | choice | 1 | 0600 | representation-medium |
| __Digital-Representation-Group | | group | 0:1 | 0600 | digital-document-representation-information |
| If Document representation medium code = 'D' then Digital representation group is non-blank else Digital representation group is blank | | | | | |
| __Digital-Representation-Target-Environment-Type-Code | | field | 1 | 0210 | document-file-type-code |
| __Target-Environment-Group | | choice | 0:1 | 0600 | target-environment |
| __Standards-Based-Group | | group | 0:1 | 0600 | standards-based |
| If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | | |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---|--------------|-------------|------|---|
| __Proprietary-Software-Based-Identifier | | field | 1 | 0024 | product-identifier |
| __Security-Protection-Group | | group | 1 | 0600 | security-protection |
| __Government-Security-Classification-Group | | group | 1 | 0600 | government-security-classification |
| __Government-Security-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Classification-Information-Group | | group | 0:1 | 0600 | classification-information |
| | If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non- blank | | | | |
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |
| __Downgrade-Information-Group | | group | 0:1 | 0600 | downgrade-information |
| | If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | | | | |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |
| __Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __Date | | field | 1 | 0082 | document-security-declassification-date |
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group | | choice | 0:1 | 0600 | copyright-owner-identification |
| | If Copyright type equal 'N' then element is blank else element is non-blank | | | | |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--------------|--|--------------|-------------|------|---|
| | __Human-Personal-Identifier | field | 1 | 0069 | human-personal-identifier |
| | __Enterprise-Identification-Group | choice | 0:1 | 0600 | enterprise-identifier |
| | __Company-Name | field | 0:1 | 0170 | enterprise-name |
| | __Enterprise-Identifier-Code-Group | group | 0:1 | 0600 | enterprise-identifier-code |
| | __Identifier-Code-List-Source-Certifier | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| | __Identifier-Code-List-Identifier-Code | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| | __Identifier-Code | field | 1 | 0329 | enterprise-identifier-code |
| | __Copyright-Date-Time-Group If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | group | 0:1 | 0600 | copyright-date-time |
| | __Date | field | 1 | 0082 | document-copyright-date |
| | __Time | field | 0:1 | 0160 | document-copyright-time |
| | __Distribution-Information-Group | group | 1 | 0600 | distribution-information |
| | __Distribution-Statement-Code-Group | group | 1 | 0600 | distribution-statement-code |
| | __Distribution-Statement-Code | field | 1 | 0014 | document-distribution-statement-code |
| | __Distribution-Statement-Reason-Code | field | 1:N | 0015 | document-distribution-statement-reason-code |
| | __Distribution-Statement-Information-Group If Distribution statement code equal "A" and the Distribution statement reason code equal "00" then the Distribution statement information group is blank else the Distribution statement information group is non-blank | group | 0:1 | 0600 | distribution-statement-information |
| | __Distribution-Statement-Determination-Date-Time-Group | group | 1 | 0600 | distribution-statement-date-time |
| | __Date | field | 1 | 0082 | document-distribution-restriction-determination-date |
| | __Time | field | 0:1 | 0160 | document-distribution-restriction-determination-time |
| | __Distribution-Controlling-Office-Group | group | 1 | 0600 | distribution-controlling-office |
| | __Enterprise-Identifier-Code-Group | group | 0:1 | 0600 | enterprise-identifier-code |
| | __Identifier-Code-List-Source-Certifier | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| | __Identifier-Code-List-Identifier-Code | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| | __Identifier-Code | field | 1 | 0329 | enterprise-identifier-code |
| | __Company-Name | field | 0:1 | 0170 | enterprise-name |
| | __Distribution-Controlling-Office-Name | field | 0:1 | 0044 | document-distribution-controller-enterprise-office-name |

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| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| Data Information Packet Name: Associated-List | | | | | |
| __Base-Document-Identification-Group | | group | 1 | 0600 | base-document-identification |
| __Document-Identifier-Source-Group | | choice | 1 | 0600 | document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Document-Revision-Group | | group | 1 | 0600 | document-revision |
| __Revision-Identification-Group | | choice | 1 | 0600 | revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Revision-Status-Group | | group | 1 | 0600 | document-revision-status |
| __Revision-Status-Code | | field | 1 | 0021 | document-revision-approval-process-disposition-status-code |
| __Revision-Status-Date-Time-Group | | group | 1 | 0600 | document-revision-status-date-time |
| __Date | | field | 1 | 0082 | document-revision-approval-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-revision-approval-process-disposition-status-time |
| __Associated-List-Type-Code | | field | 1 | 0096 | Associated-list-document-subsidiary-type-code |
| __Document-Title | | field | 1 | 0008 | document-name |
| __Document-Preparation-Date-Time-Group | | group | 0:1 | 0600 | document-preparation-date-time |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---|--------------|-------------|------|---|
| __Date | | field | 1 | 0082 | document-preparation-date |
| __Time | | field | 0:1 | 0160 | document-preparation-time |
| __Parts-List-Note-Group | | group | 0:N | 0600 | parts-list-note |
| | May be non-blank only if Associated list type code = "PL" | | | | |
| __Drawing-Note-Identifier | | field | 1 | 0251 | engineering-drawing-document-note-identifier |
| __Drawing-Note-Text | | field | 1 | 0252 | engineering-drawing-document-note-text |
| __Special-Condition-Code | | field | 0:N | 0257 | engineering-document-special-condition-code |
| __Hazardous-Material-Code | | field | 0:1 | 0078 | supply-item-hazardous-material-code |
| __CDCA-Group | | group | 1 | 0600 | current-document-change-authority |
| __CDCA-Identification-Group | | group | 1 | 0600 | current-document-change-authority-identification |
| __CDCA-Identifier-Group | | choice | 1 | 0600 | current-document-change-authority-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __CDCA-Office-Name | | field | 0:1 | 0044 | current-document-design-control-enterprise-office-name |
| __CDCA-Effective-Date-Time-Group | | group | 0:1 | 0600 | current-document-change-authority-effective-date-time |
| __Date | | field | 1 | 0082 | document-change-control-authority-effective-date |
| __Time | | field | 0:1 | 0160 | document-change-control-authority-effective-time |
| __Part-Defined-Group | | group | 0:N | 0600 | part-defined |
| __Part-Identifier-Source-Group | | choice | 1 | 0600 | product-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|-----------------------------|--------------|-------------|------|---|
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Part-Identifier-Group | | group | 1 | 0600 | part-identifier |
| __Part-Number | | field | 1 | 0024 | product-identifier |
| __Part-Parameters-Group | | group | 0:N | 0600 | part-parameters |
| __Part-Classification-Code | | field | 1 | 0036 | part-classification-type-code |
| __Part-Classification-Value | | field | 1 | 0037 | part-classification-type-value |
| __Related-Document-Group | | group | 0:N | 0600 | related-document |
| __Related-Document-Relationship-Type | | field | 1 | 0048 | relationship-type |
| | Must be either 'RD' or 'IA' | | | | |
| __Related-Document-Identifier-Source-Group | | choice | 1 | 0600 | related-document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Related-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Related-Document-Revision-Identification-Group | | choice | 0:1 | 0600 | related-document-revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __ECP-Authorizing-This-Revision-Group | May be non blank only if Associated list type code = "PL" | group | 0:1 | 0600 | engineering-change-proposal-authorizing-this-revision |
| __ECP-Identifier-Source-Group | | choice | 1 | 0600 | engineering-change-proposal-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __ECP-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __ECP-Revision-Identification-Group | | choice | 0:1 | 0600 | engineering-change-proposal-revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Security-Protection-Group | | group | 1 | 0600 | security-protection |
| __Government-Security-Classification-Group | | group | 1 | 0600 | government-security-classification |
| __Government-Security-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Classification-Information-Group | If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non- blank | group | 0:1 | 0600 | classification-information |
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---|--------------|-------------|------|---|
| __Downgrade-Information-Group | If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | group | 0:1 | 0600 | downgrade-information |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |
| __Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __Date | | field | 1 | 0082 | document-security-declassification-date |
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group | If Copyright type equal 'N' then element is blank else element is non-blank | choice | 0:1 | 0600 | copyright-owner-identification |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Copyright-Date-Time-Group | If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | group | 0:1 | 0600 | copyright-date-time |
| __Date | | field | 1 | 0082 | document-copyright-date |
| __Time | | field | 0:1 | 0160 | document-copyright-time |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Date | | field | 1 | 0082 | contract-date |
| __Time | | field | 0:1 | 0160 | contract-time |
| __Sheet-Management-Group | | choice | 1 | 0600 | sheet-management |
| __Non-Sheet-Managed-Document-Group | | group | 0:1 | 0600 | non-sheet-managed-document |
| __Document-Representation-Group | | group | 1:N | 0600 | document-representation |
| __Document-Representation-Originator-Group | | choice | 1 | 0600 | document-representation-originator |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Group | | choice | 1 | 0600 | document-representation-custodian |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Office-Name | | field | 1 | 0044 | document-custodial-enterprise-office-name |
| __Document-Representation-Version-Group | | group | 1 | 0600 | document-representation-version |
| __Version-Identification-Group | | field | 1 | 0600 | version-identification |
| __Version-Date-Time-Group | | group | 1 | 0600 | version-date-time |
| __Date | | field | 1 | 0082 | document-representation-creation-date |
| __Time | | field | 0:1 | 0160 | document-representation-creation-time |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|--|--------------|-------------|------|---|
| __Alphanumeric-Version-Identifier | | field | 1 | 0208 | document-representation-version-identifier |
| __Version-Status-Group | | group | 1 | 0600 | version-status |
| __Version-Status-Code | | field | 1 | 0021 | document-representation-release-process-disposition-status-code |
| __Version-Status-Date-Time-Group | | group | 1 | 0600 | version-status-date-time |
| __Date | | field | 1 | 0082 | document-representation-release-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-representation-release-process-disposition-status-time |
| __Document-Representation-Medium-Code | | field | 1 | 0326 | document-representation-medium-identification-code |
| __Document-Representation-Medium-Group | | choice | 1 | 0600 | representation-medium |
| __Digital-Representation-Group | | group | 0:1 | 0600 | digital-document-representation-information |
| | If Document representation medium code = 'D' then Digital representation group is non-blank else Digital representation group is blank | | | | |
| __Digital-Representation-Target-Environment-Type-Code | | field | 1 | 0210 | document-file-type-code |
| __Target-Environment-Group | | choice | 0:1 | 0600 | target-environment |
| __Standards-Based-Group | | group | 0:1 | 0600 | standards-based |
| | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Standards-Based-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Standards-Based-Document-Revision-Group | | choice | 1 | 0600 | standards-based-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Proprietary-Software-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | proprietary-software-based |
| __Proprietary-Software-Based-Identifier-Source-Group | | choice | 1 | 0600 | proprietary-software-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Proprietary-Software-Based-Identifier | | field | 1 | 0024 | product-identifier |
| __File-Identification-Group | | group | 1:N | 0600 | file-identification |
| __File-Identifier | | field | 1 | 0206 | electronic-document-file-identifier |
| __File-Identifier-Source-Group | | choice | 0:1 | 0600 | file-identfier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |
| __Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __Date | | field | 1 | 0082 | document-security-declassification-date |
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group | | choice | 0:1 | 0600 | copyright-owner-identification |
| If Copyright type equal 'N' then element is blank else element is non-blank | | | | | |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Copyright-Date-Time-Group | | group | 0:1 | 0600 | copyright-date-time |
| If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | | | | | |
| __Date | | field | 1 | 0082 | document-copyright-date |
| __Time | | field | 0:1 | 0160 | document-copyright-time |
| __Distribution-Information-Group | | group | 1 | 0600 | distribution-information |
| __Distribution-Statement-Code-Group | | group | 1 | 0600 | distribution-statement-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Distribution-Statement-Code | | field | 1 | 0014 | document-distribution-statement-code |
| __Distribution-Statement-Reason-Code | | field | 1:N | 0015 | document-distribution-statement-reason-code |
| __Distribution-Statement-Information-Group | If Distribution statement code equal "A" and the Distribution statement reason code equal "00" then the Distribution statement information group is blank else the Distribution statement information group is non-blank | group | 0:1 | 0600 | distribution-statement-information |
| __Distribution-Statement-Determination-Date-Time-Group | | group | 1 | 0600 | distribution-statement-date-time |
| __Date | | field | 1 | 0082 | document-distribution-restriction-determination-date |
| __Time | | field | 0:1 | 0160 | document-distribution-restriction-determination-time |
| __Distribution-Controlling-Office-Group | | group | 1 | 0600 | distribution-controlling-office |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Distribution-Controlling-Office-Name | | field | 0:1 | 0044 | document-distribution-controller-enterprise-office-name |
| __Export-Control-Restriction-Code | If distribution-statement-code equals 'A' then element must be 'N'; If distribution-statement-code equals 'X' then element must be 'Y'. | field | 1 | 0079 | document-export-control-code |
| __Data-Rights-Information-Group | | group | 1 | 0600 | data-rights-information |
| __Government-Rights-In-Technical-Data-Code | | field | 1 | 0022 | technical-document-government-data-rights-code |
| __Company-Proprietary-Rights-Code | If the Government Rights in Technical Data code equal 'U' then the element is either 'N' or 'S' else the element is 'P'. | field | 1 | 0084 | document-company-proprietary-data-rights-code |
| __Company-Name | If the Government rights in Technical Data code equal "U" and the Company Proprietary rights code equal "N" then the Company name is blank else the Company name is non-blank | field | 0:1 | 0170 | enterprise-name |
| __Contract-Authorizing-Government-Rights-Group | If the Government rights in Technical Data code equal 'U' or 'N' then the element is blank else the element is non-blank. | group | 0:1 | 0600 | contract-identifier-information-authorizing-government-rights |
| __Data-Rights-Contract-Number | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Data-Rights-Contract-Date-Time-Group | | group | 1 | 0600 | contact-data-rights-date-time |
| __Date | | field | 1 | 0082 | contract-date |
| __Time | | field | 0:1 | 0160 | contract-time |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __File-Information-Group | | choice | 1 | 0600 | file-information |
| __Imbedded-File-Information-Group | | group | 0:1 | 0600 | imbedded-file-information |
| | Imbedded file information group contains the hexa-decimal representation of the file. | | | | |
| __File-Size-In-Bytes | | field | 1 | 0601 | file-size-in-bytes |
| __File | | field | 1 | 0601 | file |
| __Computer-Operating-System-Type-Code | | field | 0:1 | 0213 | computer-operating-system-asset-type-code |
| __CITIS-Access-Information-Group | | group | 0:1 | 0600 | contractor-integrated-technical-information-service-information |
| __Non-Digital-Representation-Group | | group | 0:1 | 0600 | non-digital-representation-information |
| | If Document representation medium identification not equal "D" then Non digital Document representation information group is non-blank else Non digital Document representation information group is blank | | | | |
| __Sheet-Managed-Document-Group | | choice | 0:1 | 0600 | sheet-managed-document |
| __Single-Sheet-Group | | group | 0:1 | 0600 | single-sheet |
| __Drawing-Size | | field | 0:1 | 0112 | document-sheet-size-code |
| __Document-Representation-Group | | group | 1:N | 0600 | document-representation |
| __Document-Representation-Originator-Group | | choice | 1 | 0600 | document-representation-originator |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Group | | choice | 1 | 0600 | document-representation-custodian |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Office-Name | | field | 1 | 0044 | document-custodial-enterprise-office-name |
| __Document-Representation-Version-Group | | group | 1 | 0600 | document-representation-version |
| __Version-Identification-Group | | field | 1 | 0600 | version-identification |
| __Version-Date-Time-Group | | group | 1 | 0600 | version-date-time |
| __Date | | field | 1 | 0082 | document-representation-creation-date |
| __Time | | field | 0:1 | 0160 | document-representation-creation-time |
| __Alphanumeric-Version-Identifier | | field | 1 | 0208 | document-representation-version-identifier |
| __Version-Status-Group | | group | 1 | 0600 | version-status |
| __Version-Status-Code | | field | 1 | 0021 | document-representation-release-process-disposition-status-code |
| __Version-Status-Date-Time-Group | | group | 1 | 0600 | version-status-date-time |
| __Date | | field | 1 | 0082 | document-representation-release-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-representation-release-process-disposition-status-time |
| __Document-Representation-Medium-Code | | field | 1 | 0326 | document-representation-medium-identification-code |
| __Document-Representation-Medium-Group | | choice | 1 | 0600 | representation-medium |
| __Digital-Representation-Group | | group | 0:1 | 0600 | digital-document-representation-information |
| If Document representation medium code = 'D' then Digital representation group is non-blank else Digital representation group is blank | | | | | |
| __Digital-Representation-Target-Environment-Type-Code | | field | 1 | 0210 | document-file-type-code |
| __Target-Environment-Group | | choice | 0:1 | 0600 | target-environment |
| __Standards-Based-Group | | group | 0:1 | 0600 | standards-based |
| If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | | |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Standards-Based-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Standards-Based-Document-Revision-Group | | choice | 1 | 0600 | standards-based-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Proprietary-Software-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | proprietary-software-based |
| __Proprietary-Software-Based-Identifier-Source-Group | | choice | 1 | 0600 | proprietary-software-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Proprietary-Software-Based-Identifier | | field | 1 | 0024 | product-identifier |
| __File-Identification-Group | | group | 1:N | 0600 | file-identification |
| __File-Identifier | | field | 1 | 0206 | electronic-document-file-identifier |
| __File-Identifier-Source-Group | | choice | 0:1 | 0600 | file-identifier-source |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---|--------------|-------------|------|---|
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |
| __Downgrade-Information-Group | If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | group | 0:1 | 0600 | downgrade-information |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |
| __Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __Date | | field | 1 | 0082 | document-security-declassification-date |
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group | If Copyright type equal 'N' then element is blank else element is non-blank | choice | 0:1 | 0600 | copyright-owner-identification |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Copyright-Date-Time-Group | If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | group | 0:1 | 0600 | copyright-date-time |
| __Date | | field | 1 | 0082 | document-copyright-date |
| __Time | | field | 0:1 | 0160 | document-copyright-time |
| __Distribution-Information-Group | | group | 1 | 0600 | distribution-information |
| __Distribution-Statement-Code-Group | | group | 1 | 0600 | distribution-statement-code |
| __Distribution-Statement-Code | | field | 1 | 0014 | document-distribution-statement-code |
| __Distribution-Statement-Reason-Code | | field | 1:N | 0015 | document-distribution-statement-reason-code |
| __Distribution-Statement-Information-Group | If Distribution statement code equal "A" and the Distribution statement reason code equal "00" then the Distribution statement information group is blank else the Distribution statement information group is non-blank | group | 0:1 | 0600 | distribution-statement-information |
| __Distribution-Statement-Determination-Date-Time-Group | | group | 1 | 0600 | distribution-statement-date-time |
| __Date | | field | 1 | 0082 | document-distribution-restriction-determination-date |
| __Time | | field | 0:1 | 0160 | document-distribution-restriction-determination-time |
| __Distribution-Controlling-Office-Group | | group | 1 | 0600 | distribution-controlling-office |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Distribution-Controlling-Office-Name | | field | 0:1 | 0044 | document-distribution-controller-enterprise-office-name |
| __Export-Control-Restriction-Code | If distribution-statement-code equals 'A' then element must be 'N'; If distribution-statement-code equals 'X' then element must be 'Y'. | field | 1 | 0079 | document-export-control-code |
| __Data-Rights-Information-Group | | group | 1 | 0600 | data-rights-information |
| __Government-Rights-In-Technical-Data-Code | | field | 1 | 0022 | technical-document-government-data-rights-code |
| __Company-Proprietary-Rights-Code | If the Government Rights in Technical Data code equal 'U' then the element is either 'N' or 'S' else the element is 'P'. | field | 1 | 0084 | document-company-proprietary-data-rights-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|--|--------------|-------------|------|---|
| __ Company-Name | If the Government rights in Technical Data code equal "U" and the Company Proprietary rights code equal "N" then the Company name is blank else the Company name is non-blank | field | 0:1 | 0170 | enterprise-name |
| __ Contract-Authorizing-Government-Rights-Group | If the Government rights in Technical Data code equal 'U' or 'N' then the element is blank else the element is non-blank. | group | 0:1 | 0600 | contract-identifier-information-authorizing-government-rights |
| __ Data-Rights-Contract-Number | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __ Data-Rights-Contract-Date-Time-Group | | group | 1 | 0600 | contact-data-rights-date-time |
| __ Date | | field | 1 | 0082 | contract-date |
| __ Time | | field | 0:1 | 0160 | contract-time |
| __ File-Information-Group | | choice | 1 | 0600 | File-information |
| __ Imbedded-File-Information-Group | Imbedded file information group contains the hexa-decimal representation of the file. | group | 0:1 | 0600 | imbedded-file-information |
| __ File-Size-In-Bytes | | field | 1 | 0601 | file-size-in-bytes |
| __ File | | field | 1 | 0601 | file |
| __ Computer-Operating-System-Type-Code | | field | 0:1 | 0213 | computer-operating-system-asset-type-code |
| __ CITIS-Access-Information-Group | | group | 0:1 | 0600 | contractor-integrated-technical-information-service-information |
| __ Non-Digital-Representation-Group | If Document representation medium identification not equal "D" then Non digital Document representation information group is non-blank else Non digital Document representation information group is blank | group | 0:1 | 0600 | non-digital-representation-information |
| __ Multi-Sheet-Group | | group | 0:1 | 0600 | multi-sheet |
| __ Total-Sheets | | field | 1 | 0110 | document-sheet-total-quantity |
| __ Sheets-Group | | group | 2:N | 0600 | sheets |
| __ Sheet-Number | | field | 1 | 0026 | document-sheet-identifier |
| __ Drawing-Size | | field | 0:1 | 0112 | document-sheet-size-code |
| __ Sheet-Revision-Group | | choice | 1 | 0600 | sheet-revision |
| __ Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __ Date | | field | 1 | 0082 | document-revision-generic-date |
| __ Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __ Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __ Document-Representation-Group | | group | 1:N | 0600 | document-representation |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Document-Representation-Originator-Group | | choice | 1 | 0600 | document-representation-originator |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Group | | choice | 1 | 0600 | document-representation-custodian |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Office-Name | | field | 1 | 0044 | document-custodial-enterprise-office-name |
| __Document-Representation-Version-Group | | group | 1 | 0600 | document-representation-version |
| __Version-Identification-Group | | field | 1 | 0600 | version-identification |
| __Version-Date-Time-Group | | group | 1 | 0600 | version-date-time |
| __Date | | field | 1 | 0082 | document-representation-creation-date |
| __Time | | field | 0:1 | 0160 | document-representation-creation-time |
| __Alphanumeric-Version-Identifier | | field | 1 | 0208 | document-representation-version-identifier |
| __Version-Status-Group | | group | 1 | 0600 | version-status |
| __Version-Status-Code | | field | 1 | 0021 | document-representation-release-process-disposition-status-code |
| __Version-Status-Date-Time-Group | | group | 1 | 0600 | version-status-date-time |
| __Date | | field | 1 | 0082 | document-representation-release-process-disposition-status-date |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|--|--------------|-------------|------|---|
| __Time | | field | 0:1 | 0160 | document-representation-release-process-disposition-status-time |
| __Document-Representation-Medium-Code | | field | 1 | 0326 | document-representation-medium-identification-code |
| __Document-Representation-Medium-Group | | choice | 1 | 0600 | representation-medium |
| __Digital-Representation-Group | If Document representation medium code = 'D' then Digital representation group is non-blank else Digital representation group is blank | group | 0:1 | 0600 | digital-document-representation-information |
| __Digital-Representation-Target-Environment-Type-Code | | field | 1 | 0210 | document-file-type-code |
| __Target-Environment-Group | | choice | 0:1 | 0600 | target-environment |
| __Standards-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | standards-based |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Standards-Based-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Standards-Based-Document-Revision-Group | | choice | 1 | 0600 | standards-based-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |

[illegible]

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|--|--------------|-------------|------|---|
| Date | | field | 1 | 0082 | electronic-document-file-creation-date |
| Time | | field | 1 | 0160 | electronic-document-file-creation-time |
| File-Description | | field | 0:1 | 0212 | document-file-description-text |
| File-Compression-Method-Code | | field | 0:1 | 0214 | document-file-compression-method-code |
| File-Type-Group | | group | 1 | 0600 | file-type |
| File-Type-Code | | field | 1 | 0210 | document-file-type-code |
| File-Type-Information-Group | | choice | 0:1 | 0600 | file-type-information |
| Standards-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | standards-based |
| Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| Company-Name | | field | 0:1 | 0170 | enterprise-name |
| Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| Standards-Based-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| Standards-Based-Document-Revision-Group | | choice | 1 | 0600 | standards-based-document-revision |
| Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| Date | | field | 1 | 0082 | document-revision-generic-date |
| Time | | field | 0:1 | 0160 | document-revision-generic-time |
| Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Proprietary-Software-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | proprietary-software-based |
| __Proprietary-Software-Based-Identifier-Source-Group | | choice | 1 | 0600 | proprietary-software-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Proprietary-Software-Based-Identifier | | field | 1 | 0024 | product-identifier |
| __Security-Protection-Group | | group | 1 | 0600 | security-protection |
| __Government-Security-Classification-Group | | group | 1 | 0600 | government-security-classification |
| __Government-Security-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Classification-Information-Group | If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non- blank | group | 0:1 | 0600 | classification-information |
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |
| __Downgrade-Information-Group | If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | group | 0:1 | 0600 | downgrade-information |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |

[illegible]

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| ___File-Size-In-Bytes | | field | 1 | 0601 | file-size-in-bytes |
| ___File | | field | 1 | 0601 | file |
| ___Computer-Operating-System-Type-Code | | field | 0:1 | 0213 | computer-operating-system-asset-type-code |
| ___CITIS-Access-Information-Group | | group | 0:1 | 0600 | contractor-integrated-technical-information-service-information |
| ___Non-Digital-Representation-Group | If Document representation medium identification not equal "D" then Non digital Document representation information group is non-blank else Non digital Document representation information group is blank | group | 0:1 | 0600 | non-digital-representation-information |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| Data Information Packet Name: Specification | | | | | |
| __Base-Document-Identification-Group | | group | 1:N | 0600 | base-document-identification |
| __Document-Identifier-Source-Group | | choice | 1 | 0600 | document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Document-Revision-Group | | group | 1 | 0600 | document-revision |
| __Revision-Identification-Group | | choice | 1 | 0600 | revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Revision-Status-Group | | group | 1 | 0600 | document-revision-status |
| __Revision-Status-Code | | field | 1 | 0021 | document-revision-approval-process-disposition-status-code |
| __Revision-Status-Date-Time-Group | | group | 1 | 0600 | document-revision-status-date-time |
| __Date | | field | 1 | 0082 | document-revision-approval-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-revision-approval-process-disposition-status-time |
| __Specification-Document-Subsidiary-Type-Code | | field | 1 | 0108 | specification-document-subsidiary-type-code |
| May be non-blank only if Document source identifier group has a non-blank CAGE/NSCM code. | | | | | |
| __Document-Title | | field | 1 | 0008 | document-name |
| __Document-Preparation-Date-Time-Group | | group | 0:1 | 0600 | document-preparation-date-time |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Date | | field | 1 | 0082 | document-preparation-date |
| __Time | | field | 0:1 | 0160 | document-preparation-time |
| __Federal-Supply-Class-Code | | field | 0:1 | 0073 | product-federal-supply-classification-code |
| __Special-Condition-Code | | field | 0:N | 0257 | engineering-document-special-condition-code |
| __Hazardous-Material-Code | | field | 0:1 | 0078 | supply-item-hazardous-material-code |
| __CDCA-Group | | group | 1 | 0600 | current-document-change-authority |
| __CDCA-Identification-Group | | group | 1 | 0600 | current-document-change-authority-identification |
| __CDCA-Identifier-Group | | choice | 1 | 0600 | current-document-change-authority-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __CDCA-Office-Name | | field | 0:1 | 0044 | current-document-design-control-enterprise-office-name |
| __CDCA-Effective-Date-Time-Group | | group | 0:1 | 0600 | current-document-change-authority-effective-date-time |
| __Date | | field | 1 | 0082 | document-change-control-authority-effective-date |
| __Time | | field | 0:1 | 0160 | document-change-control-authority-effective-time |
| __Product-Defined-Group | | choice | 0:N | 0600 | product-defined |
| __Part-Identification-Group | | group | 1 | 0600 | part-identification |
| __Part-Identifier-Source-Group | | choice | 1 | 0600 | product-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|-----------------------------|--------------|-------------|------|---|
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Part-Identifier-Group | | group | 1 | 0600 | part-identifier |
| __Part-Number | | field | 1 | 0024 | product-identifier |
| __Part-Parameters-Group | | group | 0:N | 0600 | part-parameters |
| __Part-Classification-Code | | field | 1 | 0036 | part-classification-type-code |
| __Part-Classification-Value | | field | 1 | 0037 | part-classification-type-value |
| __Software-Identification-Group | | group | 1 | 0600 | software-identification |
| __Software-Identifier-Source-Group | | choice | 1 | 0600 | product-identifier-source |
| __Human-Personal-Identifier-Group | | group | 1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Software-Identifier | | field | 1 | 0024 | product-identifier |
| __Related-Document-Group | | group | 0:N | 0600 | related-document |
| __Related-Document-Relationship-Type | | field | 1 | 0048 | relationship-type |
| | Must be either 'RD' or 'IA' | | | | |
| __Related-Document-Identifier-Source-Group | | choice | 1 | 0600 | related-document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Related-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Related-Document-Revision-Identification-Group | | choice | 0:1 | 0600 | related-document-revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __ECP-Authorizing-This-Revision-Group | | group | 0:1 | 0600 | engineering-change-proposal-authorizing-this-revision |
| May be non blank only if Associated list type code = "PL" | | | | | |
| __ECP-Identifier-Source-Group | | choice | 1 | 0600 | engineering-change-proposal-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __ECP-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __ECP-Revision-Identification-Group | | choice | 0:1 | 0600 | engineering-change-proposal-revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Security-Protection-Group | | group | 1 | 0600 | security-protection |
| __Government-Security-Classification-Group | | group | 1 | 0600 | government-security-classification |
| __Government-Security-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Classification-Information-Group | | group | 0:1 | 0600 | classification-information |
| If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non- blank | | | | | |
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |
| __Downgrade-Information-Group | | group | 0:1 | 0600 | downgrade-information |
| If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | | | | | |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |
| __Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __Date | | field | 1 | 0082 | document-security-declassification-date |
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group | | choice | 0:1 | 0600 | copyright-owner-identification |
| If Copyright type equal 'N' then element is blank else element is non-blank | | | | | |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Copyright-Date-Time-Group | | group | 0:1 | 0600 | copyright-date-time |
| | If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | | | | |
| __Date | | field | 1 | 0082 | document-copyright-date |
| __Time | | field | 0:1 | 0160 | document-copyright-time |
| __Distribution-Information-Group | | group | 1 | 0600 | distribution-information |
| __Distribution-Statement-Code-Group | | group | 1 | 0600 | distribution-statement-code |
| __Distribution-Statement-Code | | field | 1 | 0014 | document-distribution-statement-code |
| __Distribution-Statement-Reason-Code | | field | 1:N | 0015 | document-distribution-statement-reason-code |
| __Distribution-Statement-Information-Group | | group | 0:1 | 0600 | distribution-statement-information |
| | If Distribution statement code equal "A" and the Distribution statement reason code equal "00" then the Distribution statement information group is blank else the Distribution statement information group is non-blank | | | | |
| __Distribution-Statement-Determination-Date-Time-Group | | group | 1 | 0600 | distribution-statement-date-time |
| __Date | | field | 1 | 0082 | document-distribution-restriction-determination-date |
| __Time | | field | 0:1 | 0160 | document-distribution-restriction-determination-time |
| __Distribution-Controlling-Office-Group | | group | 1 | 0600 | distribution-controlling-office |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Distribution-Controlling-Office-Name | | field | 0:1 | 0044 | document-distribution-controller-enterprise-office-name |
| __Export-Control-Restriction-Code | | field | 1 | 0079 | document-export-control-code |
| | If distribution-statement-code equals 'A' then element must be 'N'; If distribution-statement-code equals 'X' then element must be 'Y'. | | | | |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---|--------------|-------------|------|---|
| __Data-Rights-Information-Group | | group | 1 | 0600 | data-rights-information |
| __Government-Rights-In-Technical-Data-Code | | field | 1 | 0022 | technical-document-government-data-rights-code |
| __Company-Proprietary-Rights-Code | | field | 1 | 0084 | document-company-proprietary-data-rights-code |
| | If the Government Rights in Technical Data code equal 'U' then the element is either 'N' or 'S' else the element is 'P'. | | | | |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| | If the Government rights in Technical Data code equal "U" and the Company Proprietary rights code equal "N" then the Company name is blank else the Company name is non-blank | | | | |
| __Contract-Authorizing-Government-Rights-Group | | group | 0:1 | 0600 | contract-identifier-information-authorizing-government-rights |
| | If the Government rights in Technical Data code equal 'U' or 'N' then the element is blank else the element is non-blank. | | | | |
| __Data-Rights-Contract-Number | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Data-Rights-Contract-Date-Time-Group | | group | 1 | 0600 | contact-data-rights-date-time |
| __Date | | field | 1 | 0082 | contract-date |
| __Time | | field | 0:1 | 0160 | contract-time |
| __Sheet-Management-Group | | choice | 1 | 0600 | sheet-management |
| __Non-Sheet-Managed-Document-Group | | group | 0:1 | 0600 | non-sheet-managed-document |
| __Document-Representation-Group | | group | 1:N | 0600 | document-representation |
| __Document-Representation-Originator-Group | | choice | 1 | 0600 | document-representation-originator |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Group | | choice | 1 | 0600 | document-representation-custodian |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Office-Name | | field | 1 | 0044 | document-custodial-enterprise-office-name |
| __Document-Representation-Version-Group | | group | 1 | 0600 | document-representation-version |
| __Version-Identification-Group | | field | 1 | 0600 | version-identification |
| __Version-Date-Time-Group | | group | 1 | 0600 | version-date-time |
| __Date | | field | 1 | 0082 | document-representation-creation-date |
| __Time | | field | 0:1 | 0160 | document-representation-creation-time |
| __Alphanumeric-Version-Identifier | | field | 1 | 0208 | document-representation-version-identifier |
| __Version-Status-Group | | group | 1 | 0600 | version-status |
| __Version-Status-Code | | field | 1 | 0021 | document-representation-release-process-disposition-status-code |
| __Version-Status-Date-Time-Group | | group | 1 | 0600 | version-status-date-time |
| __Date | | field | 1 | 0082 | document-representation-release-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-representation-release-process-disposition-status-time |
| __Document-Representation-Medium-Code | | field | 1 | 0326 | document-representation-medium-identification-code |
| __Document-Representation-Medium-Group | | choice | 1 | 0600 | representation-medium |
| __Digital-Representation-Group | | group | 0:1 | 0600 | digital-document-representation-information |
| If Document representation medium code = 'D' then Digital representation group is non-blank else Digital representation group is blank | | | | | |
| __Digital-Representation-Target-Environment-Type-Code | | field | 1 | 0210 | document-file-type-code |
| __Target-Environment-Group | | choice | 0:1 | 0600 | target-environment |
| __Standards-Based-Group | | group | 0:1 | 0600 | standards-based |
| If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | | |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|--|--------------|-------------|------|---|
| __File-Identifier | | field | 1 | 0206 | electronic-document-file-identifier |
| __File-Identifier-Source-Group | | choice | 0:1 | 0600 | file-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __File-Origination-Date-Time-Group | | group | 1 | 0600 | File-origination-date-time |
| __Date | | field | 1 | 0082 | electronic-document-file-creation-date |
| __Time | | field | 1 | 0160 | electronic-document-file-creation-time |
| __File-Description | | field | 0:1 | 0212 | document-file-description-text |
| __File-Compression-Method-Code | | field | 0:1 | 0214 | document-file-compression-method-code |
| __File-Type-Group | | group | 1 | 0600 | file-type |
| __File-Type-Code | | field | 1 | 0210 | document-file-type-code |
| __File-Type-Information-Group | | choice | 0:1 | 0600 | file-type-information |
| __Standards-Based-Group | | group | 0:1 | 0600 | standards-based |
| | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---|--------------|-------------|------|---|
| __Government-Security-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Classification-Information-Group | If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non- blank | group | 0:1 | 0600 | classification-information |
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |
| __Downgrade-Information-Group | If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | group | 0:1 | 0600 | downgrade-information |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |
| __Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __Date | | field | 1 | 0082 | document-security-declassification-date |
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group | If Copyright type equal 'N' then element is blank else element is non-blank | choice | 0:1 | 0600 | copyright-owner-identification |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Group | | choice | 1 | 0600 | document-representation-custodian |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Office-Name | | field | 1 | 0044 | document-custodial-enterprise-office-name |
| __Document-Representation-Version-Group | | group | 1 | 0600 | document-representation-version |
| __Version-Identification-Group | | field | 1 | 0600 | version-identification |
| __Version-Date-Time-Group | | group | 1 | 0600 | version-date-time |
| __Date | | field | 1 | 0082 | document-representation-creation-date |
| __Time | | field | 0:1 | 0160 | document-representation-creation-time |
| __Alphanumeric-Version-Identifier | | field | 1 | 0208 | document-representation-version-identifier |
| __Version-Status-Group | | group | 1 | 0600 | version-status |
| __Version-Status-Code | | field | 1 | 0021 | document-representation-release-process-disposition-status-code |
| __Version-Status-Date-Time-Group | | group | 1 | 0600 | version-status-date-time |
| __Date | | field | 1 | 0082 | document-representation-release-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-representation-release-process-disposition-status-time |
| __Document-Representation-Medium-Code | | field | 1 | 0326 | document-representation-medium-identification-code |
| __Document-Representation-Medium-Group | | choice | 1 | 0600 | representation-medium |
| __Digital-Representation-Group | | group | 0:1 | 0600 | digital-document-representation-information |
| If Document representation medium code = 'D' then Digital representation group is non-blank else Digital representation group is blank | | | | | |
| __Digital-Representation-Target-Environment-Type-Code | | field | 1 | 0210 | document-file-type-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Target-Environment-Group | | choice | 0:1 | 0600 | target-environment |
| __Standards-Based-Group | | group | 0:1 | 0600 | standards-based |
| | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Standards-Based-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Standards-Based-Document-Revision-Group | | choice | 1 | 0600 | standards-based-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Proprietary-Software-Based-Group | | group | 0:1 | 0600 | proprietary-software-based |
| | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | |
| __Proprietary-Software-Based-Identifier-Source-Group | | choice | 1 | 0600 | proprietary-software-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Proprietary-Software-Based-Identifier | | field | 1 | 0024 | product-identifier |
| __File-Identification-Group | | group | 1:N | 0600 | file-identification |
| __File-Identifier | | field | 1 | 0206 | electronic-document-file-identifier |
| __File-Identifier-Source-Group | | choice | 0:1 | 0600 | file-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __File-Origination-Date-Time-Group | | group | 1 | 0600 | File-origination-date-time |
| __Date | | field | 1 | 0082 | electronic-document-file-creation-date |
| __Time | | field | 1 | 0160 | electronic-document-file-creation-time |
| __File-Description | | field | 0:1 | 0212 | document-file-description-text |
| __File-Compression-Method-Code | | field | 0:1 | 0214 | document-file-compression-method-code |
| __File-Type-Group | | group | 1 | 0600 | file-type |
| __File-Type-Code | | field | 1 | 0210 | document-file-type-code |
| __File-Type-Information-Group | | choice | 0:1 | 0600 | file-type-information |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| Standards-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | standards-based |
| Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| Company-Name | | field | 0:1 | 0170 | enterprise-name |
| Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| Standards-Based-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| Standards-Based-Document-Revision-Group | | choice | 1 | 0600 | standards-based-document-revision |
| Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| Date | | field | 1 | 0082 | document-revision-generic-date |
| Time | | field | 0:1 | 0160 | document-revision-generic-time |
| Alphanumeric-Revison-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revison-identifier |
| Proprietary-Software-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | proprietary-software-based |
| Proprietary-Software-Based-Identifier-Source-Group | | choice | 1 | 0600 | proprietary-software-based-identifier-source |
| Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---|--------------|-------------|------|---|
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Proprietary-Software-Based-Identifier | | field | 1 | 0024 | product-identifier |
| __Security-Protection-Group | | group | 1 | 0600 | security-protection |
| __Government-Security-Classification-Group | | group | 1 | 0600 | government-security-classification |
| __Government-Security-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Classification-Information-Group | If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non- blank | group | 0:1 | 0600 | classification-information |
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |
| __Downgrade-Information-Group | If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | group | 0:1 | 0600 | downgrade-information |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |
| __Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __Date | | field | 1 | 0082 | document-security-declassification-date |
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group If Copyright type equal 'N' then element is blank else element is non-blank | | choice | 0:1 | 0600 | copyright-owner-identification |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Copyright-Date-Time-Group If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | | group | 0:1 | 0600 | copyright-date-time |
| __Date | | field | 1 | 0082 | document-copyright-date |
| __Time | | field | 0:1 | 0160 | document-copyright-time |
| __Distribution-Information-Group | | group | 1 | 0600 | distribution-information |
| __Distribution-Statement-Code-Group | | group | 1 | 0600 | distribution-statement-code |
| __Distribution-Statement-Code | | field | 1 | 0014 | document-distribution-statement-code |
| __Distribution-Statement-Reason-Code | | field | 1:N | 0015 | document-distribution-statement-reason-code |
| __Distribution-Statement-Information-Group If Distribution statement code equal "A" and the Distribution statement reason code equal "00" then the Distribution statement information group is blank else the Distribution statement information group is non-blank | | group | 0:1 | 0600 | distribution-statement-information |
| __Distribution-Statement-Determination-Date-Time-Group | | group | 1 | 0600 | distribution-statement-date-time |
| __Date | | field | 1 | 0082 | document-distribution-restriction-determination-date |
| __Time | | field | 0:1 | 0160 | document-distribution-restriction-determination-time |
| __Distribution-Controlling-Office-Group | | group | 1 | 0600 | distribution-controlling-office |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Sheets-Group | | group | 2:N | 0600 | sheets |
| __Sheet-Number | | field | 1 | 0026 | document-sheet-identifier |
| __Drawing-Size | | field | 0:1 | 0112 | document-sheet-size-code |
| __Sheet-Revision-Group | | choice | 1 | 0600 | sheet-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Document-Representation-Group | | group | 1:N | 0600 | document-representation |
| __Document-Representation-Originator-Group | | choice | 1 | 0600 | document-representation-originator |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Group | | choice | 1 | 0600 | document-representation-custodian |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Office-Name | | field | 1 | 0044 | document-custodial-enterprise-office-name |
| __Document-Representation-Version-Group | | group | 1 | 0600 | document-representation-version |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Version-Identification-Group | | field | 1 | 0600 | version-identification |
| __Version-Date-Time-Group | | group | 1 | 0600 | version-date-time |
| __Date | | field | 1 | 0082 | document-representation-creation-date |
| __Time | | field | 0:1 | 0160 | document-representation-creation-time |
| __Alphanumeric-Version-Identifier | | field | 1 | 0208 | document-representation-version-identifier |
| __Version-Status-Group | | group | 1 | 0600 | version-status |
| __Version-Status-Code | | field | 1 | 0021 | document-representation-release-process-disposition-status-code |
| __Version-Status-Date-Time-Group | | group | 1 | 0600 | version-status-date-time |
| __Date | | field | 1 | 0082 | document-representation-release-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-representation-release-process-disposition-status-time |
| __Document-Representation-Medium-Code | | field | 1 | 0326 | document-representation-medium-identification-code |
| __Document-Representation-Medium-Group | | choice | 1 | 0600 | representation-medium |
| __Digital-Representation-Group | | group | 0:1 | 0600 | digital-document-representation-information |
| If Document representation medium code = 'D' then Digital representation group is non-blank else Digital representation group is blank | | | | | |
| __Digital-Representation-Target-Environment-Type-Code | | field | 1 | 0210 | document-file-type-code |
| __Target-Environment-Group | | choice | 0:1 | 0600 | target-environment |
| __Standards-Based-Group | | group | 0:1 | 0600 | standards-based |
| If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | | |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |

[illegible]

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Data-Rights-Contract-Number | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Data-Rights-Contract-Date-Time-Group | | group | 1 | 0600 | contact-data-rights-date-time |
| __Date | | field | 1 | 0082 | contract-date |
| __Time | | field | 0:1 | 0160 | contract-time |
| __File-Information-Group | | choice | 1 | 0600 | File-information |
| __Imbedded-File-Information-Group | | group | 0:1 | 0600 | imbedded-file-information |
| | Imbedded file information group contains the hexa-decimal representation of the file. | | | | |
| __File-Size-In-Bytes | | field | 1 | 0601 | file-size-in-bytes |
| __File | | field | 1 | 0601 | file |
| __Computer-Operating-System-Type-Code | | field | 0:1 | 0213 | computer-operating-system-asset-type-code |
| __CITIS-Access-Information-Group | | group | 0:1 | 0600 | contractor-integrated-technical-information-service-information |
| __Non-Digital-Representation-Group | | group | 0:1 | 0600 | non-digital-representation-information |
| | If Document representation medium identification not equal "D" then Non digital Document representation information group is non-blank else Non digital Document representation information group is blank | | | | |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| Data Information Packet Name: Standard | | | | | |
| __Base-Document-Identification-Group | | group | 1:N | 0600 | base-document-identification |
| __Document-Identifier-Source-Group | | choice | 1 | 0600 | document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Document-Revision-Group | | group | 1 | 0600 | document-revision |
| __Revision-Identification-Group | | choice | 1 | 0600 | revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Revision-Status-Group | | group | 1 | 0600 | document-revision-status |
| __Revision-Status-Code | | field | 1 | 0021 | document-revision-approval-process-disposition-status-code |
| __Revision-Status-Date-Time-Group | | group | 1 | 0600 | document-revision-status-date-time |
| __Date | | field | 1 | 0082 | document-revision-approval-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-revision-approval-process-disposition-status-time |
| __Standard-Document-Subsidiary-Type-Code | | field | 1 | 0167 | standard-document-subsidiary-type-code |
| __Document-Title | | field | 1 | 0008 | document-name |
| __Document-Preparation-Date-Time-Group | | group | 0:1 | 0600 | document-preparation-date-time |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Date | | field | 1 | 0082 | document-preparation-date |
| __Time | | field | 0:1 | 0160 | document-preparation-time |
| __Special-Condition-Code | | field | 0:N | 0257 | engineering-document-special-condition-code |
| __Hazardous-Material-Code | | field | 0:1 | 0078 | supply-item-hazardous-material-code |
| __CDCA-Group | | group | 1 | 0600 | current-document-change-authority |
| __CDCA-Identification-Group | | group | 1 | 0600 | current-document-change-authority-identification |
| __CDCA-Identifier-Group | | choice | 1 | 0600 | current-document-change-authority-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __CDCA-Office-Name | | field | 0:1 | 0044 | current-document-design-control-enterprise-office-name |
| __CDCA-Effective-Date-Time-Group | | group | 0:1 | 0600 | current-document-change-authority-effective-date-time |
| __Date | | field | 1 | 0082 | document-change-control-authority-effective-date |
| __Time | | field | 0:1 | 0160 | document-change-control-authority-effective-time |
| __Product-Defined-Group | | choice | 0:N | 0600 | product-defined |
| __Part-Identification-Group | | group | 1 | 0600 | part-identification |
| __Part-Identifier-Source-Group | | choice | 1 | 0600 | product-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Part-Identifier-Group | | group | 1 | 0600 | part-identifier |
| __Part-Number | | field | 1 | 0024 | product-identifier |
| __Part-Parameters-Group | | group | 0:N | 0600 | part-parameters |
| __Part-Classification-Code | | field | 1 | 0036 | part-classification-type-code |
| __Part-Classification-Value | | field | 1 | 0037 | part-classification-type-value |
| __Software-Identification-Group | | group | 1 | 0600 | software-identification |
| __Software-Identifier-Source-Group | | choice | 1 | 0600 | product-identifier-source |
| __Human-Personal-Identifier-Group | | group | 1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Software-Identifier | | field | 1 | 0024 | product-identifier |
| __Related-Document-Group | | group | 0:N | 0600 | related-document |
| __Related-Document-Relationship-Type | | field | 1 | 0048 | relationship-type |
| Must be either 'RD' or 'IA' | | | | | |
| __Related-Document-Identifier-Source-Group | | choice | 1 | 0600 | related-document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Related-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Related-Document-Revision-Identification-Group | | choice | 0:1 | 0600 | related-document-revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __ECP-Authorizing-This-Revision-Group | | group | 0:1 | 0600 | engineering-change-proposal-authorizing-this-revision |
| May be non blank only if Associated list type code = "PL" | | | | | |
| __ECP-Identifier-Source-Group | | choice | 1 | 0600 | engineering-change-proposal-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __ECP-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __ECP-Revision-Identification-Group | | choice | 0:1 | 0600 | engineering-change-proposal-revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Security-Protection-Group | | group | 1 | 0600 | security-protection |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---|--------------|-------------|------|---|
| __Government-Security-Classification-Group | | group | 1 | 0600 | government-security-classification |
| __Government-Security-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Classification-Information-Group | | group | 0:1 | 0600 | classification-information |
| | If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non- blank | | | | |
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |
| __Downgrade-Information-Group | | group | 0:1 | 0600 | downgrade-information |
| | If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | | | | |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |
| __Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __Date | | field | 1 | 0082 | document-security-declassification-date |
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group | | choice | 0:1 | 0600 | copyright-owner-identification |
| | If Copyright type equal 'N' then element is blank else element is non-blank | | | | |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Copyright-Date-Time-Group | | group | 0:1 | 0600 | copyright-date-time |
| | If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | | | | |
| __Date | | field | 1 | 0082 | document-copyright-date |
| __Time | | field | 0:1 | 0160 | document-copyright-time |
| __Distribution-Information-Group | | group | 1 | 0600 | distribution-information |
| __Distribution-Statement-Code-Group | | group | 1 | 0600 | distribution-statement-code |
| __Distribution-Statement-Code | | field | 1 | 0014 | document-distribution-statement-code |
| __Distribution-Statement-Reason-Code | | field | 1:N | 0015 | document-distribution-statement-reason-code |
| __Distribution-Statement-Information-Group | | group | 0:1 | 0600 | distribution-statement-information |
| | If Distribution statement code equal "A" and the Distribution statement reason code equal "00" then the Distribution statement information group is blank else the Distribution statement information group is non-blank | | | | |
| __Distribution-Statement-Determination-Date-Time-Group | | group | 1 | 0600 | distribution-statement-date-time |
| __Date | | field | 1 | 0082 | document-distribution-restriction-determination-date |
| __Time | | field | 0:1 | 0160 | document-distribution-restriction-determination-time |
| __Distribution-Controlling-Office-Group | | group | 1 | 0600 | distribution-controlling-office |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Distribution-Controlling-Office-Name | | field | 0:1 | 0044 | document-distribution-controller-enterprise-office-name |
| __Export-Control-Restriction-Code | | field | 1 | 0079 | document-export-control-code |
| | If distribution-statement-code equals 'A' then element must be 'N'; If distribution-statement-code equals 'X' then element must be 'Y'. | | | | |
| __Data-Rights-Information-Group | | group | 1 | 0600 | data-rights-information |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---|--------------|-------------|------|---|
| __Government-Rights-In-Technical-Data-Code | | field | 1 | 0022 | technical-document-government-data-rights-code |
| __Company-Proprietary-Rights-Code | | field | 1 | 0084 | document-company-proprietary-data-rights-code |
| | If the Government Rights in Technical Data code equal 'U' then the element is either 'N' or 'S' else the element is 'P'. | | | | |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| | If the Government rights in Technical Data code equal "U" and the Company Proprietary rights code equal "N" then the Company name is blank else the Company name is non-blank | | | | |
| __Contract-Authorizing-Government-Rights-Group | | group | 0:1 | 0600 | contract-identifier-information-authorizing-government-rights |
| | If the Government rights in Technical Data code equal 'U' or 'N' then the element is blank else the element is non-blank. | | | | |
| __Data-Rights-Contract-Number | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Data-Rights-Contract-Date-Time-Group | | group | 1 | 0600 | contact-data-rights-date-time |
| __Date | | field | 1 | 0082 | contract-date |
| __Time | | field | 0:1 | 0160 | contract-time |
| __Sheet-Management-Group | | choice | 1 | 0600 | sheet-management |
| __Non-Sheet-Managed-Document-Group | | group | 0:1 | 0600 | non-sheet-managed-document |
| __Document-Representation-Group | | group | 1:N | 0600 | document-representation |
| __Document-Representation-Originator-Group | | choice | 1 | 0600 | document-representation-originator |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Group | | choice | 1 | 0600 | document-representation-custodian |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Office-Name | | field | 1 | 0044 | document-custodial-enterprise-office-name |
| __Document-Representation-Version-Group | | group | 1 | 0600 | document-representation-version |
| __Version-Identification-Group | | field | 1 | 0600 | version-identification |
| __Version-Date-Time-Group | | group | 1 | 0600 | version-date-time |
| __Date | | field | 1 | 0082 | document-representation-creation-date |
| __Time | | field | 0:1 | 0160 | document-representation-creation-time |
| __Alphanumeric-Version-Identifier | | field | 1 | 0208 | document-representation-version-identifier |
| __Version-Status-Group | | group | 1 | 0600 | version-status |
| __Version-Status-Code | | field | 1 | 0021 | document-representation-release-process-disposition-status-code |
| __Version-Status-Date-Time-Group | | group | 1 | 0600 | version-status-date-time |
| __Date | | field | 1 | 0082 | document-representation-release-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-representation-release-process-disposition-status-time |
| __Document-Representation-Medium-Code | | field | 1 | 0326 | document-representation-medium-identification-code |
| __Document-Representation-Medium-Group | | choice | 1 | 0600 | representation-medium |
| __Digital-Representation-Group | | group | 0:1 | 0600 | digital-document-representation-information |
| If Document representation medium code = 'D' then Digital representation group is non-blank else Digital representation group is blank | | | | | |
| __Digital-Representation-Target-Environment-Type-Code | | field | 1 | 0210 | document-file-type-code |
| __Target-Environment-Group | | choice | 0:1 | 0600 | target-environment |
| __Standards-Based-Group | | group | 0:1 | 0600 | standards-based |
| If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | | |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Standards-Based-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Standards-Based-Document-Revision-Group | | choice | 1 | 0600 | standards-based-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Proprietary-Software-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | proprietary-software-based |
| __Proprietary-Software-Based-Identifier-Source-Group | | choice | 1 | 0600 | proprietary-software-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Proprietary-Software-Based-Identifier | | field | 1 | 0024 | product-identifier |
| __File-Identification-Group | | group | 1:N | 0600 | file-identification |
| __File-Identifier | | field | 1 | 0206 | electronic-document-file-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---|--------------|-------------|------|---|
| __Classification-Information-Group | If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non- blank | group | 0:1 | 0600 | classification-information |
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |
| __Downgrade-Information-Group | If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | group | 0:1 | 0600 | downgrade-information |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |
| __Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __Date | | field | 1 | 0082 | document-security-declassification-date |
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group | If Copyright type equal 'N' then element is blank else element is non-blank | choice | 0:1 | 0600 | copyright-owner-identification |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Copyright-Date-Time-Group | If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | group | 0:1 | 0600 | copyright-date-time |
| __Date | | field | 1 | 0082 | document-copyright-date |
| __Time | | field | 0:1 | 0160 | document-copyright-time |
| __Distribution-Information-Group | | group | 1 | 0600 | distribution-information |
| __Distribution-Statement-Code-Group | | group | 1 | 0600 | distribution-statement-code |
| __Distribution-Statement-Code | | field | 1 | 0014 | document-distribution-statement-code |
| __Distribution-Statement-Reason-Code | | field | 1:N | 0015 | document-distribution-statement-reason-code |
| __Distribution-Statement-Information-Group | If Distribution statement code equal "A" and the Distribution statement reason code equal "00" then the Distribution statement information group is blank else the Distribution statement information group is non-blank | group | 0:1 | 0600 | distribution-statement-information |
| __Distribution-Statement-Determination-Date-Time-Group | | group | 1 | 0600 | distribution-statement-date-time |
| __Date | | field | 1 | 0082 | document-distribution-restriction-determination-date |
| __Time | | field | 0:1 | 0160 | document-distribution-restriction-determination-time |
| __Distribution-Controlling-Office-Group | | group | 1 | 0600 | distribution-controlling-office |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Distribution-Controlling-Office-Name | | field | 0:1 | 0044 | document-distribution-controller-enterprise-office-name |
| __Export-Control-Restriction-Code | If distribution-statement-code equals 'A' then element must be 'N'; If distribution-statement-code equals 'X' then element must be 'Y'. | field | 1 | 0079 | document-export-control-code |
| __Data-Rights-Information-Group | | group | 1 | 0600 | data-rights-information |
| __Government-Rights-In-Technical-Data-Code | | field | 1 | 0022 | technical-document-government-data-rights-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Company-Proprietary-Rights-Code | If the Government Rights in Technical Data code equal 'U' then the element is either 'N' or 'S' else the element is 'P'. | field | 1 | 0084 | document-company-proprietary-data-rights-code |
| __Company-Name | If the Government rights in Technical Data code equal "U" and the Company Proprietary rights code equal "N" then the Company name is blank else the Company name is non-blank | field | 0:1 | 0170 | enterprise-name |
| __Contract-Authorizing-Government-Rights-Group | If the Government rights in Technical Data code equal 'U' or 'N' then the element is blank else the element is non-blank. | group | 0:1 | 0600 | contract-identifier-information-authorizing-government-rights |
| __Data-Rights-Contract-Number | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Data-Rights-Contract-Date-Time-Group | | group | 1 | 0600 | contact-data-rights-date-time |
| __Date | | field | 1 | 0082 | contract-date |
| __Time | | field | 0:1 | 0160 | contract-time |
| __File-Information-Group | | choice | 1 | 0600 | File-information |
| __Imbedded-File-Information-Group | Imbedded file information group contains the hexa-decimal representation of the file. | group | 0:1 | 0600 | imbedded-file-information |
| __File-Size-In-Bytes | | field | 1 | 0601 | file-size-in-bytes |
| __File | | field | 1 | 0601 | file |
| __Computer-Operating-System-Type-Code | | field | 0:1 | 0213 | computer-operating-system-asset-type-code |
| __CITIS-Access-Information-Group | | group | 0:1 | 0600 | contractor-integrated-technical-information-service-information |
| __Non-Digital-Representation-Group | If Document representation medium identification not equal "D" then Non digital Document representation information group is non-blank else Non digital Document representation information group is blank | group | 0:1 | 0600 | non-digital-representation-information |
| __Sheet-Managed-Document-Group | | choice | 0:1 | 0600 | sheet-managed-document |
| __Single-Sheet-Group | | group | 0:1 | 0600 | single-sheet |
| __Drawing-Size | | field | 0:1 | 0112 | document-sheet-size-code |
| __Document-Representation-Group | | group | 1:N | 0600 | document-representation |
| __Document-Representation-Originator-Group | | choice | 1 | 0600 | document-representation-originator |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Group | | choice | 1 | 0600 | document-representation-custodian |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Office-Name | | field | 1 | 0044 | document-custodial-enterprise-office-name |
| __Document-Representation-Version-Group | | group | 1 | 0600 | document-representation-version |
| __Version-Identification-Group | | field | 1 | 0600 | version-identification |
| __Version-Date-Time-Group | | group | 1 | 0600 | version-date-time |
| __Date | | field | 1 | 0082 | document-representation-creation-date |
| __Time | | field | 0:1 | 0160 | document-representation-creation-time |
| __Alphanumeric-Version-Identifier | | field | 1 | 0208 | document-representation-version-identifier |
| __Version-Status-Group | | group | 1 | 0600 | version-status |
| __Version-Status-Code | | field | 1 | 0021 | document-representation-release-process-disposition-status-code |
| __Version-Status-Date-Time-Group | | group | 1 | 0600 | version-status-date-time |
| __Date | | field | 1 | 0082 | document-representation-release-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-representation-release-process-disposition-status-time |
| __Document-Representation-Medium-Code | | field | 1 | 0326 | document-representation-medium-identification-code |
| __Document-Representation-Medium-Group | | choice | 1 | 0600 | representation-medium |
| __Digital-Representation-Group | | group | 0:1 | 0600 | digital-document-representation-information |
| If Document representation medium code = 'D' then Digital representation group is non-blank else Digital representation group is blank | | | | | |
| __Digital-Representation-Target-Environment-Type-Code | | field | 1 | 0210 | document-file-type-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Target-Environment-Group | | choice | 0:1 | 0600 | target-environment |
| __Standards-Based-Group | | group | 0:1 | 0600 | standards-based |
| | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Standards-Based-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Standards-Based-Document-Revision-Group | | choice | 1 | 0600 | standards-based-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Proprietary-Software-Based-Group | | group | 0:1 | 0600 | proprietary-software-based |
| | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | |
| __Proprietary-Software-Based-Identifier-Source-Group | | choice | 1 | 0600 | proprietary-software-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--------------|---------------------------------------|--------------|-------------|------|---|
| | Enterprise-Identification-Group | choice | 1 | 0600 | enterprise-identifier |
| | Company-Name | field | 0:1 | 0170 | enterprise-name |
| | Enterprise-Identifier-Code-Group | group | 0:1 | 0600 | enterprise-identifier-code |
| | Identifier-Code-List-Source-Certifier | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| | Identifier-Code-List-Identifier-Code | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| | Identifier-Code | field | 1 | 0329 | enterprise-identifier-code |
| | Proprietary-Software-Based-Identifier | field | 1 | 0024 | product-identifier |
| | File-Identification-Group | group | 1:N | 0600 | file-identification |
| | File-Identifier | field | 1 | 0206 | electronic-document-file-identifier |
| | File-Identifier-Source-Group | choice | 0:1 | 0600 | file-identifier-source |
| | Human-Personal-Identifier-Group | group | 0:1 | 0600 | human-personal-identifier |
| | Human-Personal-Identifier-Source | field | 1 | 0044 | human-personal-identifier-source-identifier |
| | Human-Personal-Identifier | field | 1 | 0069 | human-personal-identifier |
| | Enterprise-Identification-Group | choice | 1 | 0600 | enterprise-identifier |
| | Company-Name | field | 0:1 | 0170 | enterprise-name |
| | Enterprise-Identifier-Code-Group | group | 0:1 | 0600 | enterprise-identifier-code |
| | Identifier-Code-List-Source-Certifier | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| | Identifier-Code-List-Identifier-Code | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| | Identifier-Code | field | 1 | 0329 | enterprise-identifier-code |
| | File-Origination-Date-Time-Group | group | 1 | 0600 | File-origination-date-time |
| | Date | field | 1 | 0082 | electronic-document-file-creation-date |
| | Time | field | 1 | 0160 | electronic-document-file-creation-time |
| | File-Description | field | 0:1 | 0212 | document-file-description-text |
| | File-Compression-Method-Code | field | 0:1 | 0214 | document-file-compression-method-code |
| | File-Type-Group | group | 1 | 0600 | file-type |
| | File-Type-Code | field | 1 | 0210 | document-file-type-code |
| | File-Type-Information-Group | choice | 0:1 | 0600 | file-type-information |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|-----------------------------------|--|--------------|-------------|------|---|
| | Standards-Based-Group If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | standards-based |
| | Standards-Based-Identifier-Source-Group | choice | 1 | 0600 | standards-based-identifier-source |
| | Human-Personal-Identifier-Group | group | 0:1 | 0600 | human-personal-identifier |
| | Human-Personal-Identifier-Source | field | 1 | 0044 | human-personal-identifier-source-identifier |
| | Human-Personal-Identifier | field | 1 | 0069 | human-personal-identifier |
| | Enterprise-Identification-Group | choice | 0:1 | 0600 | enterprise-identifier |
| | Company-Name | field | 0:1 | 0170 | enterprise-name |
| | Enterprise-Identifier-Code-Group | group | 0:1 | 0600 | enterprise-identifier-code |
| | Identifier-Code-List-Source-Certifier | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| | Identifier-Code-List-Identifier-Code | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| | Identifier-Code | field | 1 | 0329 | enterprise-identifier-code |
| | Standards-Based-Document-Identifier | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| | Standards-Based-Document-Revision-Group | choice | 1 | 0600 | standards-based-document-revision |
| | Revision-Date-Time-Group | group | 0:1 | 0600 | revision-date-time |
| | Date | field | 1 | 0082 | document-revision-generic-date |
| | Time | field | 0:1 | 0160 | document-revision-generic-time |
| | Alphanumeric-Revision-Identifier | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| | Proprietary-Software-Based-Group If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | proprietary-software-based |
| | Proprietary-Software-Based-Identifier-Source-Group | choice | 1 | 0600 | proprietary-software-based-identifier-source |
| | Human-Personal-Identifier-Group | group | 0:1 | 0600 | human-personal-identifier |
| | Human-Personal-Identifier-Source | field | 1 | 0044 | human-personal-identifier-source-identifier |
| | Human-Personal-Identifier | field | 1 | 0069 | human-personal-identifier |
| | Enterprise-Identification-Group | choice | 1 | 0600 | enterprise-identifier |

[illegible]

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group | If Copyright type equal 'N' then element is blank else element is non-blank | choice | 0:1 | 0600 | copyright-owner-identification |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Copyright-Date-Time-Group | If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | group | 0:1 | 0600 | copyright-date-time |
| __Date | | field | 1 | 0082 | document-copyright-date |
| __Time | | field | 0:1 | 0160 | document-copyright-time |
| __Distribution-Information-Group | | group | 1 | 0600 | distribution-information |
| __Distribution-Statement-Code-Group | | group | 1 | 0600 | distribution-statement-code |
| __Distribution-Statement-Code | | field | 1 | 0014 | document-distribution-statement-code |
| __Distribution-Statement-Reason-Code | | field | 1:N | 0015 | document-distribution-statement-reason-code |
| __Distribution-Statement-Information-Group | If Distribution statement code equal "A" and the Distribution statement reason code equal "00" then the Distribution statement information group is blank else the Distribution statement information group is non-blank | group | 0:1 | 0600 | distribution-statement-information |
| __Distribution-Statement-Determination-Date-Time-Group | | group | 1 | 0600 | distribution-statement-date-time |
| __Date | | field | 1 | 0082 | document-distribution-restriction-determination-date |
| __Time | | field | 0:1 | 0160 | document-distribution-restriction-determination-time |
| __Distribution-Controlling-Office-Group | | group | 1 | 0600 | distribution-controlling-office |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Sheets-Group | | group | 2:N | 0600 | sheets |
| __Sheet-Number | | field | 1 | 0026 | document-sheet-identifier |
| __Drawing-Size | | field | 0:1 | 0112 | document-sheet-size-code |
| __Sheet-Revision-Group | | choice | 1 | 0600 | sheet-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Document-Representation-Group | | group | 1:N | 0600 | document-representation |
| __Document-Representation-Originator-Group | | choice | 1 | 0600 | document-representation-originator |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Group | | choice | 1 | 0600 | document-representation-custodian |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Office-Name | | field | 1 | 0044 | document-custodial-enterprise-office-name |
| __Document-Representation-Version-Group | | group | 1 | 0600 | document-representation-version |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Version-Identification-Group | | field | 1 | 0600 | version-identification |
| __Version-Date-Time-Group | | group | 1 | 0600 | version-date-time |
| __Date | | field | 1 | 0082 | document-representation-creation-date |
| __Time | | field | 0:1 | 0160 | document-representation-creation-time |
| __Alphanumeric-Version-Identifier | | field | 1 | 0208 | document-representation-version-identifier |
| __Version-Status-Group | | group | 1 | 0600 | version-status |
| __Version-Status-Code | | field | 1 | 0021 | document-representation-release-process-disposition-status-code |
| __Version-Status-Date-Time-Group | | group | 1 | 0600 | version-status-date-time |
| __Date | | field | 1 | 0082 | document-representation-release-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-representation-release-process-disposition-status-time |
| __Document-Representation-Medium-Code | | field | 1 | 0326 | document-representation-medium-identification-code |
| __Document-Representation-Medium-Group | | choice | 1 | 0600 | representation-medium |
| __Digital-Representation-Group | | group | 0:1 | 0600 | digital-document-representation-information |
| If Document representation medium code = 'D' then Digital representation group is non-blank else Digital representation group is blank | | | | | |
| __Digital-Representation-Target-Environment-Type-Code | | field | 1 | 0210 | document-file-type-code |
| __Target-Environment-Group | | choice | 0:1 | 0600 | target-environment |
| __Standards-Based-Group | | group | 0:1 | 0600 | standards-based |
| If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | | |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Standards-Based-Documents-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Standards-Based-Documents-Revisions-Group | | choice | 1 | 0600 | standards-based-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Proprietary-Software-Based-Group | | group | 0:1 | 0600 | proprietary-software-based |
| If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | | |
| __Proprietary-Software-Based-Identifiers-Source-Group | | choice | 1 | 0600 | proprietary-software-based-identifiers-source |
| __Human-Personal-Identifiers-Group | | group | 0:1 | 0600 | human-personal-identifiers |
| __Human-Personal-Identifiers-Source | | field | 1 | 0044 | human-personal-identifiers-source-identifiers |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifiers |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifiers-Code-Group | | group | 0:1 | 0600 | enterprise-identifiers-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifiers-code-list-certifying-organization-identifiers-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifiers-code-list-identifiers-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifiers-code |
| __Proprietary-Software-Based-Identifier | | field | 1 | 0024 | product-identifier |
| __File-Identification-Group | | group | 1:N | 0600 | file-identification |
| __File-Identifier | | field | 1 | 0206 | electronic-document-file-identifier |
| __File-Identifier-Source-Group | | choice | 0:1 | 0600 | file-identifiers-source |
| __Human-Personal-Identifiers-Group | | group | 0:1 | 0600 | human-personal-identifiers |
| __Human-Personal-Identifiers-Source | | field | 1 | 0044 | human-personal-identifiers-source-identifiers |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---------------------------------------|---|--------------|-------------|------|---|
| Time | | field | 0:1 | 0160 | document-security-classification-time |
| Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |
| Downgrade-Information-Group | | group | 0:1 | 0600 | downgrade-information |
| | If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | | | | |
| Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |
| Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| Date | | field | 1 | 0082 | document-security-declassification-date |
| Time | | field | 0:1 | 0160 | document-security-declassification-time |
| Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |
| Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| Copyright-Owner-Identification-Group | | choice | 0:1 | 0600 | copyright-owner-identification |
| | If Copyright type equal 'N' then element is blank else element is non-blank | | | | |
| Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| Company-Name | | field | 0:1 | 0170 | enterprise-name |
| Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| Copyright-Date-Time-Group | | group | 0:1 | 0600 | copyright-date-time |
| | If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | | | | |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Data-Rights-Contract-Number | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Data-Rights-Contract-Date-Time-Group | | group | 1 | 0600 | contact-data-rights-date-time |
| __Date | | field | 1 | 0082 | contract-date |
| __Time | | field | 0:1 | 0160 | contract-time |
| __File-Information-Group | | choice | 1 | 0600 | File-information |
| __Imbedded-File-Information-Group | | group | 0:1 | 0600 | imbedded-file-information |
| | Imbedded file information group contains the hexa-decimal representation of the file. | | | | |
| __File-Size-In-Bytes | | field | 1 | 0601 | file-size-in-bytes |
| __File | | field | 1 | 0601 | file |
| __Computer-Operating-System-Type-Code | | field | 0:1 | 0213 | computer-operating-system-asset-type-code |
| __CITIS-Access-Information-Group | | group | 0:1 | 0600 | contractor-integrated-technical-information-service-information |
| __Non-Digital-Representation-Group | | group | 0:1 | 0600 | non-digital-representation-information |
| | If Document representation medium identification not equal "D" then Non digital Document representation information group is non-blank else Non digital Document representation information group is blank | | | | |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| Data Information Packet Name: Part-Model | | | | | |
| __Base-Document-Identification-Group | | group | 1 | 0600 | base-document-identification |
| __Document-Identifier-Source-Group | | choice | 1 | 0600 | document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Document-Revision-Group | | group | 1 | 0600 | document-revision |
| __Revision-Identification-Group | | choice | 1 | 0600 | revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Revision-Status-Group | | group | 1 | 0600 | document-revision-status |
| __Revision-Status-Code | | field | 1 | 0021 | document-revision-approval-process-disposition-status-code |
| __Revision-Status-Date-Time-Group | | group | 1 | 0600 | document-revision-status-date-time |
| __Date | | field | 1 | 0082 | document-revision-approval-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-revision-approval-process-disposition-status-time |
| __Part-Model-Subsidiary-Type-Code | | field | 1 | 0122 | part-model-subsidiary-type-code |
| __Document-Title | | field | 1 | 0008 | document-name |
| __Document-Preparation-Date-Time-Group | | group | 0:1 | 0600 | document-preparation-date-time |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Date | | field | 1 | 0082 | document-preparation-date |
| __Time | | field | 0:1 | 0160 | document-preparation-time |
| __Special-Condition-Code | | field | 0:N | 0257 | engineering-document-special-condition-code |
| __Hazardous-Material-Code | | field | 0:1 | 0078 | supply-item-hazardous-material-code |
| __Separate-Parts-List-Code | | field | 0:1 | 0025 | separate-parts-list-document-code |
| __CDCA-Group | | group | 1 | 0600 | current-document-change-authority |
| __CDCA-Identification-Group | | group | 1 | 0600 | current-document-change-authority-identification |
| __CDCA-Identifier-Group | | choice | 1 | 0600 | current-document-change-authority-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __CDCA-Office-Name | | field | 0:1 | 0044 | current-document-design-control-enterprise-office-name |
| __CDCA-Effective-Date-Time-Group | | group | 0:1 | 0600 | current-document-change-authority-effective-date-time |
| __Date | | field | 1 | 0082 | document-change-control-authority-effective-date |
| __Time | | field | 0:1 | 0160 | document-change-control-authority-effective-time |
| __Part-Defined-Group | | group | 0:N | 0600 | part-defined |
| __Part-Identifier-Source-Group | | choice | 1 | 0600 | product-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|-----------------------------|--------------|-------------|------|---|
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Part-Identifier-Group | | group | 1 | 0600 | part-identifier |
| __Part-Number | | field | 1 | 0024 | product-identifier |
| __Part-Parameters-Group | | group | 0:N | 0600 | part-parameters |
| __Part-Classification-Code | | field | 1 | 0036 | part-classification-type-code |
| __Part-Classification-Value | | field | 1 | 0037 | part-classification-type-value |
| __Related-Document-Group | | group | 0:N | 0600 | related-document |
| __Related-Document-Relationship-Type | | field | 1 | 0048 | relationship-type |
| | Must be either 'RD' or 'IA' | | | | |
| __Related-Document-Identifier-Source-Group | | choice | 1 | 0600 | related-document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Related-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Related-Document-Revision-Identification-Group | | choice | 0:1 | 0600 | related-document-revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __ECP-Authorizing-This-Revision-Group | | group | 0:N | 0600 | engineering-change-proposal-authorizing-this-revision |
| __ECP-Identifier-Source-Group | | choice | 1 | 0600 | engineering-change-proposal-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __ECP-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __ECP-Revision-Identification-Group | | choice | 0:1 | 0600 | engineering-change-proposal-revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Security-Protection-Group | | group | 1 | 0600 | security-protection |
| __Government-Security-Classification-Group | | group | 1 | 0600 | government-security-classification |
| __Government-Security-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Classification-Information-Group | | group | 0:1 | 0600 | classification-information |
| If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non- blank | | | | | |
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |
| __Downgrade-Information-Group | | group | 0:1 | 0600 | downgrade-information |
| If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | | | | | |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __Date | | field | 1 | 0082 | document-security-declassification-date |
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group | | choice | 0:1 | 0600 | copyright-owner-identification |
| If Copyright type equal 'N' then element is blank else element is non-blank | | | | | |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Copyright-Date-Time-Group | | group | 0:1 | 0600 | copyright-date-time |
| If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | | | | | |
| __Date | | field | 1 | 0082 | document-copyright-date |
| __Time | | field | 0:1 | 0160 | document-copyright-time |
| __Distribution-Information-Group | | group | 1 | 0600 | distribution-information |
| __Distribution-Statement-Code-Group | | group | 1 | 0600 | distribution-statement-code |
| __Distribution-Statement-Code | | field | 1 | 0014 | document-distribution-statement-code |
| __Distribution-Statement-Reason-Code | | field | 1:N | 0015 | document-distribution-statement-reason-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Distribution-Statement-Information-Group | If Distribution statement code equal "A" and the Distribution statement reason code equal "00" then the Distribution statement information group is blank else the Distribution statement information group is non-blank | group | 0:1 | 0600 | distribution-statement-information |
| __Distribution-Statement-Determination-Date-Time-Group | | group | 1 | 0600 | distribution-statement-date-time |
| __Date | | field | 1 | 0082 | document-distribution-restriction-determination-date |
| __Time | | field | 0:1 | 0160 | document-distribution-restriction-determination-time |
| __Distribution-Controlling-Office-Group | | group | 1 | 0600 | distribution-controlling-office |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Distribution-Controlling-Office-Name | | field | 0:1 | 0044 | document-distribution-controller-enterprise-office-name |
| __Export-Control-Restriction-Code | If distribution-statement-code equals 'A' then element must be 'N'; If distribution-statement-code equals 'X' then element must be 'Y'. | field | 1 | 0079 | document-export-control-code |
| __Data-Rights-Information-Group | | group | 1 | 0600 | data-rights-information |
| __Government-Rights-In-Technical-Data-Code | | field | 1 | 0022 | technical-document-government-data-rights-code |
| __Company-Proprietary-Rights-Code | If the Government Rights in Technical Data code equal 'U' then the element is either 'N' or 'S' else the element is 'P'. | field | 1 | 0084 | document-company-proprietary-data-rights-code |
| __Company-Name | If the Government rights in Technical Data code equal "U" and the Company Proprietary rights code equal "N" then the Company name is blank else the Company name is non-blank | field | 0:1 | 0170 | enterprise-name |
| __Contract-Authorizing-Government-Rights-Group | If the Government rights in Technical Data code equal 'U' or 'N' then the element is blank else the element is non-blank. | group | 0:1 | 0600 | contract-identifier-information-authorizing-government-rights |
| __Data-Rights-Contract-Number | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Data-Rights-Contract-Date-Time-Group | | group | 1 | 0600 | contact-data-rights-date-time |
| __Date | | field | 1 | 0082 | contract-date |
| __Time | | field | 0:1 | 0160 | contract-time |
| __Document-Representation-Group | | group | 1:N | 0600 | document-representation |
| __Document-Representation-Originator-Group | | choice | 1 | 0600 | document-representation-originator |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--------------|---|--------------|-------------|------|---|
| | __Human-Personal-Identifier-Group | group | 0:1 | 0600 | human-personal-identifier |
| | __Human-Personal-Identifier-Source | field | 1 | 0044 | human-personal-identifier-source-identifier |
| | __Human-Personal-Identifier | field | 1 | 0069 | human-personal-identifier |
| | __Enterprise-Identification-Group | choice | 1 | 0600 | enterprise-identifier |
| | __Company-Name | field | 0:1 | 0170 | enterprise-name |
| | __Enterprise-Identifier-Code-Group | group | 0:1 | 0600 | enterprise-identifier-code |
| | __Identifier-Code-List-Source-Certifier | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| | __Identifier-Code-List-Identifier-Code | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| | __Identifier-Code | field | 1 | 0329 | enterprise-identifier-code |
| | __Document-Representation-Custodian-Group | choice | 1 | 0600 | document-representation-custodian |
| | __Company-Name | field | 0:1 | 0170 | enterprise-name |
| | __Enterprise-Identifier-Code-Group | group | 0:1 | 0600 | enterprise-identifier-code |
| | __Identifier-Code-List-Source-Certifier | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| | __Identifier-Code-List-Identifier-Code | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| | __Identifier-Code | field | 1 | 0329 | enterprise-identifier-code |
| | __Document-Representation-Custodian-Office-Name | field | 1 | 0044 | document-custodial-enterprise-office-name |
| | __Document-Representation-Version-Group | group | 1 | 0600 | document-representation-version |
| | __Version-Identification-Group | field | 1 | 0600 | version-identification |
| | __Version-Date-Time-Group | group | 1 | 0600 | version-date-time |
| | __Date | field | 1 | 0082 | document-representation-creation-date |
| | __Time | field | 0:1 | 0160 | document-representation-creation-time |
| | __Alphanumeric-Version-Identifier | field | 1 | 0208 | document-representation-version-identifier |
| | __Version-Status-Group | group | 1 | 0600 | version-status |
| | __Version-Status-Code | field | 1 | 0021 | document-representation-release-process-disposition-status-code |
| | __Version-Status-Date-Time-Group | group | 1 | 0600 | version-status-date-time |
| | __Date | field | 1 | 0082 | document-representation-release-process-disposition-status-date |
| | __Time | field | 0:1 | 0160 | document-representation-release-process-disposition-status-time |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|--|--------------|-------------|------|---|
| __Document-Representation-Medium-Code | | field | 1 | 0326 | document-representation-medium-identification-code |
| __Document-Representation-Medium-Group | | choice | 1 | 0600 | representation-medium |
| __Digital-Representation-Group | If Document representation medium code = 'D' then Digital representation group is non-blank else Digital representation group is blank | group | 0:1 | 0600 | digital-document-representation-information |
| __Digital-Representation-Target-Environment-Type-Code | | field | 1 | 0210 | document-file-type-code |
| __Target-Environment-Group | | choice | 0:1 | 0600 | target-environment |
| __Standards-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | standards-based |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Standards-Based-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Standards-Based-Document-Revision-Group | | choice | 1 | 0600 | standards-based-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Proprietary-Software-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | proprietary-software-based |
| | | | | | |
| __Proprietary-Software-Based-Identifier-Source-Group | | choice | 1 | 0600 | proprietary-software-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Proprietary-Software-Based-Identifier | | field | 1 | 0024 | product-identifier |
| __File-Identification-Group | | group | 1:N | 0600 | file-identification |
| __File-Identifier | | field | 1 | 0206 | electronic-document-file-identifier |
| __File-Identifier-Source-Group | | choice | 0:1 | 0600 | file-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __File-Origination-Date-Time-Group | | group | 1 | 0600 | File-origination-date-time |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Date | | field | 1 | 0082 | electronic-document-file-creation-date |
| __Time | | field | 1 | 0160 | electronic-document-file-creation-time |
| __File-Description | | field | 0:1 | 0212 | document-file-description-text |
| __File-Compression-Method-Code | | field | 0:1 | 0214 | document-file-compression-method-code |
| __File-Type-Group | | group | 1 | 0600 | file-type |
| __File-Type-Code | | field | 1 | 0210 | document-file-type-code |
| __File-Type-Information-Group | | choice | 0:1 | 0600 | file-type-information |
| __Standards-Based-Group | | group | 0:1 | 0600 | standards-based |
| If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | | |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Standards-Based-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Standards-Based-Document-Revision-Group | | choice | 1 | 0600 | standards-based-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Proprietary-Software-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | proprietary-software-based |
| __Proprietary-Software-Based-Identifier-Source-Group | | choice | 1 | 0600 | proprietary-software-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Proprietary-Software-Based-Identifier | | field | 1 | 0024 | product-identifier |
| __Security-Protection-Group | | group | 1 | 0600 | security-protection |
| __Government-Security-Classification-Group | | group | 1 | 0600 | government-security-classification |
| __Government-Security-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Classification-Information-Group | If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non- blank | group | 0:1 | 0600 | classification-information |
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |
| __Downgrade-Information-Group | If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | group | 0:1 | 0600 | downgrade-information |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __Date | | field | 1 | 0082 | document-security-declassification-date |
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group | | choice | 0:1 | 0600 | copyright-owner-identification |
| If Copyright type equal 'N' then element is blank else element is non-blank | | | | | |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Copyright-Date-Time-Group | | group | 0:1 | 0600 | copyright-date-time |
| If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | | | | | |
| __Date | | field | 1 | 0082 | document-copyright-date |
| __Time | | field | 0:1 | 0160 | document-copyright-time |
| __Distribution-Information-Group | | group | 1 | 0600 | distribution-information |
| __Distribution-Statement-Code-Group | | group | 1 | 0600 | distribution-statement-code |
| __Distribution-Statement-Code | | field | 1 | 0014 | document-distribution-statement-code |
| __Distribution-Statement-Reason-Code | | field | 1:N | 0015 | document-distribution-statement-reason-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Distribution-Statement-Information-Group | | group | 0:1 | 0600 | distribution-statement-information |
| | If Distribution statement code equal "A" and the Distribution statement reason code equal "00" then the Distribution statement information group is blank else the Distribution statement information group is non-blank | | | | |
| __Distribution-Statement-Determination-Date-Time-Group | | group | 1 | 0600 | distribution-statement-date-time |
| __Date | | field | 1 | 0082 | document-distribution-restriction-determination-date |
| __Time | | field | 0:1 | 0160 | document-distribution-restriction-determination-time |
| __Distribution-Controlling-Office-Group | | group | 1 | 0600 | distribution-controlling-office |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Distribution-Controlling-Office-Name | | field | 0:1 | 0044 | document-distribution-controller-enterprise-office-name |
| __Export-Control-Restriction-Code | | field | 1 | 0079 | document-export-control-code |
| | If distribution-statement-code equals 'A' then element must be 'N'; If distribution-statement-code equals 'X' then element must be 'Y'. | | | | |
| __Data-Rights-Information-Group | | group | 1 | 0600 | data-rights-information |
| __Government-Rights-In-Technical-Data-Code | | field | 1 | 0022 | technical-document-government-data-rights-code |
| __Company-Proprietary-Rights-Code | | field | 1 | 0084 | document-company-proprietary-data-rights-code |
| | If the Government Rights in Technical Data code equal 'U' then the element is either 'N' or 'S' else the element is 'P'. | | | | |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| | If the Government rights in Technical Data code equal "U" and the Company Proprietary rights code equal "N" then the Company name is blank else the Company name is non-blank | | | | |
| __Contract-Authorizing-Government-Rights-Group | | group | 0:1 | 0600 | contract-identifier-information-authorizing-government-rights |
| | If the Government rights in Technical Data code equal 'U' or 'N' then the element is blank else the element is non-blank. | | | | |
| __Data-Rights-Contract-Number | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Data-Rights-Contract-Date-Time-Group | | group | 1 | 0600 | contact-data-rights-date-time |
| __Date | | field | 1 | 0082 | contract-date |
| __Time | | field | 0:1 | 0160 | contract-time |
| __File-Information-Group | | choice | 1 | 0600 | File-information |
| __Imbedded-File-Information-Group | | group | 0:1 | 0600 | imbedded-file-information |
| | Imbedded file information group contains the hexa-decimal representation of the file. | | | | |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __File-Size-In-Bytes | | field | 1 | 0601 | file-size-in-bytes |
| __File | | field | 1 | 0601 | file |
| __Computer-Operating-System-Type-Code | | field | 0:1 | 0213 | computer-operating-system-asset-type-code |
| __CITIS-Access-Information-Group | | group | 0:1 | 0600 | contractor-integrated-technical-information-service-information |
| __Non-Digital-Representation-Group | | group | 0:1 | 0600 | non-digital-representation-information |
| If Document representation medium identification not equal "D" then Non digital Document representation information group is non-blank else Non digital Document representation information group is blank | | | | | |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| Data Information Packet Name: Software-Documentation | | | | | |
| __Base-Document-Identification-Group | | group | 1:N | 0600 | base-document-identification |
| __Document-Identifier-Source-Group | | choice | 1 | 0600 | document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Document-Revision-Group | | group | 1 | 0600 | document-revision |
| __Revision-Identification-Group | | choice | 1 | 0600 | revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Revision-Status-Group | | group | 1 | 0600 | document-revision-status |
| __Revision-Status-Code | | field | 1 | 0021 | document-revision-approval-process-disposition-status-code |
| __Revision-Status-Date-Time-Group | | group | 1 | 0600 | document-revision-status-date-time |
| __Date | | field | 1 | 0082 | document-revision-approval-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-revision-approval-process-disposition-status-time |
| __Software-Support-Document-Type-Code | | field | 1 | 0107 | software-support-document-subsidiary-type-code |
| __Document-Title | | field | 1 | 0008 | document-name |
| __Document-Preparation-Date-Time-Group | | group | 0:1 | 0600 | document-preparation-date-time |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Date | | field | 1 | 0082 | document-preparation-date |
| __Time | | field | 0:1 | 0160 | document-preparation-time |
| __Special-Condition-Code | | field | 0:N | 0257 | engineering-document-special-condition-code |
| __CDCA-Group | | group | 1 | 0600 | current-document-change-authority |
| __CDCA-Identification-Group | | group | 1 | 0600 | current-document-change-authority-identification |
| __CDCA-Identifier-Group | | choice | 1 | 0600 | current-document-change-authority-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __CDCA-Office-Name | | field | 0:1 | 0044 | current-document-design-control-enterprise-office-name |
| __CDCA-Effective-Date-Time-Group | | group | 0:1 | 0600 | current-document-change-authority-effective-date-time |
| __Date | | field | 1 | 0082 | document-change-control-authority-effective-date |
| __Time | | field | 0:1 | 0160 | document-change-control-authority-effective-time |
| __Software-Defined-Group | | group | 0:N | 0600 | software-defined |
| __Software-Identifier-Source-Group | | choice | 1 | 0600 | product-identifier-source |
| __Human-Personal-Identifier-Group | | group | 1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Software-Identifier | | field | 1 | 0024 | product-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|-----------------------------|--------------|-------------|------|---|
| __Related-Document-Group | | group | 0:N | 0600 | related-document |
| __Related-Document-Relationship-Type | | field | 1 | 0048 | relationship-type |
| | Must be either 'RD' or 'IA' | | | | |
| __Related-Document-Identifier-Source-Group | | choice | 1 | 0600 | related-document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Related-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Related-Document-Revision-Identification-Group | | choice | 0:1 | 0600 | related-document-revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __ECP-Authorizing-This-Revision-Group | | group | 0:N | 0600 | engineering-change-proposal-authorizing-this-revision |
| __ECP-Identifier-Source-Group | | choice | 1 | 0600 | engineering-change-proposal-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __ECP-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __ECP-Revision-Identification-Group | | choice | 0:1 | 0600 | engineering-change-proposal-revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Security-Protection-Group | | group | 1 | 0600 | security-protection |
| __Government-Security-Classification-Group | | group | 1 | 0600 | government-security-classification |
| __Government-Security-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Classification-Information-Group | | group | 0:1 | 0600 | classification-information |
| If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non- blank | | | | | |
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |
| __Downgrade-Information-Group | | group | 0:1 | 0600 | downgrade-information |
| If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | | | | | |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |
| __Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __Date | | field | 1 | 0082 | document-security-declassification-date |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group | | choice | 0:1 | 0600 | copyright-owner-identification |
| If Copyright type equal 'N' then element is blank else element is non-blank | | | | | |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Copyright-Date-Time-Group | | group | 0:1 | 0600 | copyright-date-time |
| If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | | | | | |
| __Date | | field | 1 | 0082 | document-copyright-date |
| __Time | | field | 0:1 | 0160 | document-copyright-time |
| __Distribution-Information-Group | | group | 1 | 0600 | distribution-information |
| __Distribution-Statement-Code-Group | | group | 1 | 0600 | distribution-statement-code |
| __Distribution-Statement-Code | | field | 1 | 0014 | document-distribution-statement-code |
| __Distribution-Statement-Reason-Code | | field | 1:N | 0015 | document-distribution-statement-reason-code |
| __Distribution-Statement-Information-Group | | group | 0:1 | 0600 | distribution-statement-information |
| If Distribution statement code equal "A" and the Distribution statement reason code equal "00" then the Distribution statement information group is blank else the Distribution statement information group is non-blank | | | | | |
| __Distribution-Statement-Determination-Date-Time-Group | | group | 1 | 0600 | distribution-statement-date-time |
| __Date | | field | 1 | 0082 | document-distribution-restriction-determination-date |
| __Time | | field | 0:1 | 0160 | document-distribution-restriction-determination-time |
| __Distribution-Controlling-Office-Group | | group | 1 | 0600 | distribution-controlling-office |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Distribution-Controlling-Office-Name | | field | 0:1 | 0044 | document-distribution-controller-enterprise-office-name |
| __Export-Control-Restriction-Code | | field | 1 | 0079 | document-export-control-code |
| If distribution-statement-code equals 'A' then element must be 'N'; If distribution-statement-code equals 'X' then element must be 'Y'. | | | | | |
| __Data-Rights-Information-Group | | group | 1 | 0600 | data-rights-information |
| __Government-Rights-In-Technical-Data-Code | | field | 1 | 0022 | technical-document-government-data-rights-code |
| __Company-Proprietary-Rights-Code | | field | 1 | 0084 | document-company-proprietary-data-rights-code |
| If the Government Rights in Technical Data code equal 'U' then the element is either 'N' or 'S' else the element is 'P'. | | | | | |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| If the Government rights in Technical Data code equal "U" and the Company Proprietary rights code equal "N" then the Company name is blank else the Company name is non-blank | | | | | |
| __Contract-Authorizing-Government-Rights-Group | | group | 0:1 | 0600 | contract-identifier-information-authorizing-government-rights |
| If the Government rights in Technical Data code equal 'U' or 'N' then the element is blank else the element is non-blank. | | | | | |
| __Data-Rights-Contract-Number | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Data-Rights-Contract-Date-Time-Group | | group | 1 | 0600 | contact-data-rights-date-time |
| __Date | | field | 1 | 0082 | contract-date |
| __Time | | field | 0:1 | 0160 | contract-time |
| __Sheet-Management-Group | | choice | 1 | 0600 | sheet-management |
| __Non-Sheet-Managed-Document-Group | | group | 0:1 | 0600 | non-sheet-managed-document |
| __Document-Representation-Group | | group | 1:N | 0600 | document-representation |
| __Document-Representation-Originator-Group | | choice | 1 | 0600 | document-representation-originator |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Group | | choice | 1 | 0600 | document-representation-custodian |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Office-Name | | field | 1 | 0044 | document-custodial-enterprise-office-name |
| __Document-Representation-Version-Group | | group | 1 | 0600 | document-representation-version |
| __Version-Identification-Group | | field | 1 | 0600 | version-identification |
| __Version-Date-Time-Group | | group | 1 | 0600 | version-date-time |
| __Date | | field | 1 | 0082 | document-representation-creation-date |
| __Time | | field | 0:1 | 0160 | document-representation-creation-time |
| __Alphanumeric-Version-Identifier | | field | 1 | 0208 | document-representation-version-identifier |
| __Version-Status-Group | | group | 1 | 0600 | version-status |
| __Version-Status-Code | | field | 1 | 0021 | document-representation-release-process-disposition-status-code |
| __Version-Status-Date-Time-Group | | group | 1 | 0600 | version-status-date-time |
| __Date | | field | 1 | 0082 | document-representation-release-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-representation-release-process-disposition-status-time |
| __Document-Representation-Medium-Code | | field | 1 | 0326 | document-representation-medium-identification-code |
| __Document-Representation-Medium-Group | | choice | 1 | 0600 | representation-medium |
| __Digital-Representation-Group | | group | 0:1 | 0600 | digital-document-representation-information |
| If Document representation medium code = 'D' then Digital representation group is non-blank else Digital representation group is blank | | | | | |
| __Digital-Representation-Target-Environment-Type-Code | | field | 1 | 0210 | document-file-type-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Target-Environment-Group | | choice | 0:1 | 0600 | target-environment |
| __Standards-Based-Group | | group | 0:1 | 0600 | standards-based |
| | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Standards-Based-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Standards-Based-Document-Revision-Group | | choice | 1 | 0600 | standards-based-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Proprietary-Software-Based-Group | | group | 0:1 | 0600 | proprietary-software-based |
| | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | |
| __Proprietary-Software-Based-Identifier-Source-Group | | choice | 1 | 0600 | proprietary-software-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Proprietary-Software-Based-Identifier | | field | 1 | 0024 | product-identifier |
| __File-Identification-Group | | group | 1:N | 0600 | file-identification |
| __File-Identifier | | field | 1 | 0206 | electronic-document-file-identifier |
| __File-Identifier-Source-Group | | choice | 0:1 | 0600 | file-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __File-Origination-Date-Time-Group | | group | 1 | 0600 | File-origination-date-time |
| __Date | | field | 1 | 0082 | electronic-document-file-creation-date |
| __Time | | field | 1 | 0160 | electronic-document-file-creation-time |
| __File-Description | | field | 0:1 | 0212 | document-file-description-text |
| __File-Compression-Method-Code | | field | 0:1 | 0214 | document-file-compression-method-code |
| __File-Type-Group | | group | 1 | 0600 | file-type |
| __File-Type-Code | | field | 1 | 0210 | document-file-type-code |
| __File-Type-Information-Group | | choice | 0:1 | 0600 | file-type-information |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---|--------------|-------------|------|---|
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Proprietary-Software-Based-Identifier | | field | 1 | 0024 | product-identifier |
| __Security-Protection-Group | | group | 1 | 0600 | security-protection |
| __Government-Security-Classification-Group | | group | 1 | 0600 | government-security-classification |
| __Government-Security-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Classification-Information-Group | If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non-blank | group | 0:1 | 0600 | classification-information |
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |
| __Downgrade-Information-Group | If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | group | 0:1 | 0600 | downgrade-information |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |
| __Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __Date | | field | 1 | 0082 | document-security-declassification-date |
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Drawing-Size | | field | 0:1 | 0112 | document-sheet-size-code |
| __Document-Representation-Group | | group | 1:N | 0600 | document-representation |
| __Document-Representation-Originator-Group | | choice | 1 | 0600 | document-representation-originator |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Group | | choice | 1 | 0600 | document-representation-custodian |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Office-Name | | field | 1 | 0044 | document-custodial-enterprise-office-name |
| __Document-Representation-Version-Group | | group | 1 | 0600 | document-representation-version |
| __Version-Identification-Group | | field | 1 | 0600 | version-identification |
| __Version-Date-Time-Group | | group | 1 | 0600 | version-date-time |
| __Date | | field | 1 | 0082 | document-representation-creation-date |
| __Time | | field | 0:1 | 0160 | document-representation-creation-time |
| __Alphanumeric-Version-Identifier | | field | 1 | 0208 | document-representation-version-identifier |
| __Version-Status-Group | | group | 1 | 0600 | version-status |
| __Version-Status-Code | | field | 1 | 0021 | document-representation-release-process-disposition-status-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|--|--------------|-------------|------|---|
| __Version-Status-Date-Time-Group | | group | 1 | 0600 | version-status-date-time |
| __Date | | field | 1 | 0082 | document-representation-release-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-representation-release-process-disposition-status-time |
| __Document-Representation-Medium-Code | | field | 1 | 0326 | document-representation-medium-identification-code |
| __Document-Representation-Medium-Group | | choice | 1 | 0600 | representation-medium |
| __Digital-Representation-Group | | group | 0:1 | 0600 | digital-document-representation-information |
| | If Document representation medium code = 'D' then Digital representation group is non-blank else Digital representation group is blank | | | | |
| __Digital-Representation-Target-Environment-Type-Code | | field | 1 | 0210 | document-file-type-code |
| __Target-Environment-Group | | choice | 0:1 | 0600 | target-environment |
| __Standards-Based-Group | | group | 0:1 | 0600 | standards-based |
| | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Standards-Based-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Standards-Based-Document-Revision-Group | | choice | 1 | 0600 | standards-based-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|--|--------------|-------------|------|---|
| ___Proprietary-Software-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | proprietary-software-based |
| ___Proprietary-Software-Based-Identifier-Source-Group | | choice | 1 | 0600 | proprietary-software-based-identifier-source |
| ___Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| ___Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| ___Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| ___Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| ___Company-Name | | field | 0:1 | 0170 | enterprise-name |
| ___Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| ___Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| ___Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| ___Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| ___Proprietary-Software-Based-Identifier | | field | 1 | 0024 | product-identifier |
| ___File-Identification-Group | | group | 1:N | 0600 | file-identification |
| ___File-Identifier | | field | 1 | 0206 | electronic-document-file-identifier |
| ___File-Identifier-Source-Group | | choice | 0:1 | 0600 | file-identifier-source |
| ___Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| ___Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| ___Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| ___Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| ___Company-Name | | field | 0:1 | 0170 | enterprise-name |
| ___Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| ___Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| ___Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| ___Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| ___File-Origination-Date-Time-Group | | group | 1 | 0600 | File-origination-date-time |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Proprietary-Software-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | proprietary-software-based |
| __Proprietary-Software-Based-Identifier-Source-Group | | choice | 1 | 0600 | proprietary-software-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Proprietary-Software-Based-Identifier | | field | 1 | 0024 | product-identifier |
| __Security-Protection-Group | | group | 1 | 0600 | security-protection |
| __Government-Security-Classification-Group | | group | 1 | 0600 | government-security-classification |
| __Government-Security-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Classification-Information-Group | If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non- blank | group | 0:1 | 0600 | classification-information |
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |
| __Downgrade-Information-Group | If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | group | 0:1 | 0600 | downgrade-information |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---|--------------|-------------|------|---|
| __Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __Date | | field | 1 | 0082 | document-security-declassification-date |
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group | If Copyright type equal 'N' then element is blank else element is non-blank | choice | 0:1 | 0600 | copyright-owner-identification |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Copyright-Date-Time-Group | If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | group | 0:1 | 0600 | copyright-date-time |
| __Date | | field | 1 | 0082 | document-copyright-date |
| __Time | | field | 0:1 | 0160 | document-copyright-time |
| __Distribution-Information-Group | | group | 1 | 0600 | distribution-information |
| __Distribution-Statement-Code-Group | | group | 1 | 0600 | distribution-statement-code |
| __Distribution-Statement-Code | | field | 1 | 0014 | document-distribution-statement-code |
| __Distribution-Statement-Reason-Code | | field | 1:N | 0015 | document-distribution-statement-reason-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __File-Size-In-Bytes | | field | 1 | 0601 | file-size-in-bytes |
| __File | | field | 1 | 0601 | file |
| __Computer-Operating-System-Type-Code | | field | 0:1 | 0213 | computer-operating-system-asset-type-code |
| __CITIS-Access-Information-Group | | group | 0:1 | 0600 | contractor-integrated-technical-information-service-information |
| __Non-Digital-Representation-Group | If Document representation medium identification not equal "D" then Non digital Document representation information group is non-blank else Non digital Document representation information group is blank | group | 0:1 | 0600 | non-digital-representation-information |
| __Multi-Sheet-Group | | group | 0:1 | 0600 | multi-sheet |
| __Total-Sheets | | field | 1 | 0110 | document-sheet-total-quantity |
| __Sheets-Group | | group | 2:N | 0600 | sheets |
| __Sheet-Number | | field | 1 | 0026 | document-sheet-identifier |
| __Drawing-Size | | field | 0:1 | 0112 | document-sheet-size-code |
| __Sheet-Revision-Group | | choice | 1 | 0600 | sheet-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Document-Representation-Group | | group | 1:N | 0600 | document-representation |
| __Document-Representation-Originator-Group | | choice | 1 | 0600 | document-representation-originator |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Document-Representation-Custodian-Group | | choice | 1 | 0600 | document-representation-custodian |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Office-Name | | field | 1 | 0044 | document-custodial-enterprise-office-name |
| __Document-Representation-Version-Group | | group | 1 | 0600 | document-representation-version |
| __Version-Identification-Group | | field | 1 | 0600 | version-identification |
| __Version-Date-Time-Group | | group | 1 | 0600 | version-date-time |
| __Date | | field | 1 | 0082 | document-representation-creation-date |
| __Time | | field | 0:1 | 0160 | document-representation-creation-time |
| __Alphanumeric-Version-Identifier | | field | 1 | 0208 | document-representation-version-identifier |
| __Version-Status-Group | | group | 1 | 0600 | version-status |
| __Version-Status-Code | | field | 1 | 0021 | document-representation-release-process-disposition-status-code |
| __Version-Status-Date-Time-Group | | group | 1 | 0600 | version-status-date-time |
| __Date | | field | 1 | 0082 | document-representation-release-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-representation-release-process-disposition-status-time |
| __Document-Representation-Medium-Code | | field | 1 | 0326 | document-representation-medium-identification-code |
| __Document-Representation-Medium-Group | | choice | 1 | 0600 | representation-medium |
| __Digital-Representation-Group | | group | 0:1 | 0600 | digital-document-representation-information |
| If Document representation medium code = 'D' then Digital representation group is non-blank else Digital representation group is blank | | | | | |
| __Digital-Representation-Target-Environment-Type-Code | | field | 1 | 0210 | document-file-type-code |
| __Target-Environment-Group | | choice | 0:1 | 0600 | target-environment |
| __Standards-Based-Group | | group | 0:1 | 0600 | standards-based |
| If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | | |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---|--------------|-------------|------|---|
| __Proprietary-Software-Based-Identifier | | field | 1 | 0024 | product-identifier |
| __Security-Protection-Group | | group | 1 | 0600 | security-protection |
| __Government-Security-Classification-Group | | group | 1 | 0600 | government-security-classification |
| __Government-Security-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Classification-Information-Group | | group | 0:1 | 0600 | classification-information |
| | If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non- blank | | | | |
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |
| __Downgrade-Information-Group | | group | 0:1 | 0600 | downgrade-information |
| | If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | | | | |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |
| __Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __Date | | field | 1 | 0082 | document-security-declassification-date |
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group | | choice | 0:1 | 0600 | copyright-owner-identification |
| | If Copyright type equal 'N' then element is blank else element is non-blank | | | | |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|--|--------------|-------------|------|---|
| _ Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| _ Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| _ Company-Name | | field | 0:1 | 0170 | enterprise-name |
| _ Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| _ Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| _ Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| _ Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| _ Copyright-Date-Time-Group | If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | group | 0:1 | 0600 | copyright-date-time |
| _ Date | | field | 1 | 0082 | document-copyright-date |
| _ Time | | field | 0:1 | 0160 | document-copyright-time |
| _ Distribution-Information-Group | | group | 1 | 0600 | distribution-information |
| _ Distribution-Statement-Code-Group | | group | 1 | 0600 | distribution-statement-code |
| _ Distribution-Statement-Code | | field | 1 | 0014 | document-distribution-statement-code |
| _ Distribution-Statement-Reason-Code | | field | 1:N | 0015 | document-distribution-statement-reason-code |
| _ Distribution-Statement-Information-Group | If Distribution statement code equal "A" and the Distribution statement reason code equal "00" then the Distribution statement information group is blank else the Distribution statement information group is non-blank | group | 0:1 | 0600 | distribution-statement-information |
| _ Distribution-Statement-Determination-Date-Time-Group | | group | 1 | 0600 | distribution-statement-date-time |
| _ Date | | field | 1 | 0082 | document-distribution-restriction-determination-date |
| _ Time | | field | 0:1 | 0160 | document-distribution-restriction-determination-time |
| _ Distribution-Controlling-Office-Group | | group | 1 | 0600 | distribution-controlling-office |
| _ Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| _ Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| _ Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| _ Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| _ Company-Name | | field | 0:1 | 0170 | enterprise-name |
| _ Distribution-Controlling-Office-Name | | field | 0:1 | 0044 | document-distribution-controller-enterprise-office-name |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Export-Control-Restriction-Code | If distribution-statement-code equals 'A' then element must be 'N'; If distribution-statement-code equals 'X' then element must be 'Y'. | field | 1 | 0079 | document-export-control-code |
| __Data-Rights-Information-Group | | group | 1 | 0600 | data-rights-information |
| __Government-Rights-In-Technical-Data-Code | | field | 1 | 0022 | technical-document-government-data-rights-code |
| __Company-Proprietary-Rights-Code | If the Government Rights in Technical Data code equal 'U' then the element is either 'N' or 'S' else the element is 'P'. | field | 1 | 0084 | document-company-proprietary-data-rights-code |
| __Company-Name | If the Government rights in Technical Data code equal "U" and the Company Proprietary rights code equal "N" then the Company name is blank else the Company name is non-blank | field | 0:1 | 0170 | enterprise-name |
| __Contract-Authorizing-Government-Rights-Group | If the Government rights in Technical Data code equal 'U' or 'N' then the element is blank else the element is non-blank. | group | 0:1 | 0600 | contract-identifier-information-authorizing-government-rights |
| __Data-Rights-Contract-Number | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Data-Rights-Contract-Date-Time-Group | | group | 1 | 0600 | contact-data-rights-date-time |
| __Date | | field | 1 | 0082 | contract-date |
| __Time | | field | 0:1 | 0160 | contract-time |
| __File-Information-Group | | choice | 1 | 0600 | File-information |
| __Imbedded-File-Information-Group | Imbedded file information group contains the hexa-decimal representation of the file. | group | 0:1 | 0600 | imbedded-file-information |
| __File-Size-In-Bytes | | field | 1 | 0601 | file-size-in-bytes |
| __File | | field | 1 | 0601 | file |
| __Computer-Operating-System-Type-Code | | field | 0:1 | 0213 | computer-operating-system-asset-type-code |
| __CITIS-Access-Information-Group | | group | 0:1 | 0600 | contractor-integrated-technical-information-service-information |
| __Non-Digital-Representation-Group | If Document representation medium identification not equal "D" then Non digital Document representation information group is non-blank else Non digital Document representation information group is blank | group | 0:1 | 0600 | non-digital-representation-information |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| Data Information Packet Name: Engineering-Change-Proposal | | | | | |
| __ECP-Group-Document-Identifier-Source-Group | | choice | 1 | 0600 | engineering-change-proposal-document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __ECP-Identifier-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __ECP-Group-Document-Revision-Group | | choice | 1 | 0600 | engineering-change-proposal-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __ECP-Document-Title | | field | 0:1 | 0008 | document-name |
| __Originator-Point-Of-Contact | | group | 0:1 | 0600 | originator-point-of-contact |
| Mandatory on first submittal; optional on all subsequent revisions | | | | | |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Security-Protection-Group | | group | 1 | 0600 | security-protection |
| __Government-Security-Classification-Group | | group | 1 | 0600 | government-security-classification |
| __Government-Security-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Classification-Information-Group | | group | 0:1 | 0600 | classification-information |
| If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non- blank | | | | | |
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |
| __Downgrade-Information-Group | | group | 0:1 | 0600 | downgrade-information |
| If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | | | | | |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |
| __Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __Date | | field | 1 | 0082 | document-security-declassification-date |
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group | | choice | 0:1 | 0600 | copyright-owner-identification |
| If Copyright type equal 'N' then element is blank else element is non-blank | | | | | |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Copyright-Date-Time-Group | | group | 0:1 | 0600 | copyright-date-time |
| | If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | | | | |
| __Date | | field | 1 | 0082 | document-copyright-date |
| __Time | | field | 0:1 | 0160 | document-copyright-time |
| __Distribution-Information-Group | | group | 1 | 0600 | distribution-information |
| __Distribution-Statement-Code-Group | | group | 1 | 0600 | distribution-statement-code |
| __Distribution-Statement-Code | | field | 1 | 0014 | document-distribution-statement-code |
| __Distribution-Statement-Reason-Code | | field | 1:N | 0015 | document-distribution-statement-reason-code |
| __Distribution-Statement-Information-Group | | group | 0:1 | 0600 | distribution-statement-information |
| | If Distribution statement code equal "A" and the Distribution statement reason code equal "00" then the Distribution statement information group is blank else the Distribution statement information group is non-blank | | | | |
| __Distribution-Statement-Determination-Date-Time-Group | | group | 1 | 0600 | distribution-statement-date-time |
| __Date | | field | 1 | 0082 | document-distribution-restriction-determination-date |
| __Time | | field | 0:1 | 0160 | document-distribution-restriction-determination-time |
| __Distribution-Controlling-Office-Group | | group | 1 | 0600 | distribution-controlling-office |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Distribution-Controlling-Office-Name | | field | 0:1 | 0044 | document-distribution-controller-enterprise-office-name |
| __Export-Control-Restriction-Code | | field | 1 | 0079 | document-export-control-code |
| | If distribution-statement-code equals 'A' then element must be 'N'; If distribution-statement-code equals 'X' then element must be 'Y'. | | | | |
| __Data-Rights-Information-Group | | group | 1 | 0600 | data-rights-information |
| __Government-Rights-In-Technical-Data-Code | | field | 1 | 0022 | technical-document-government-data-rights-code |
| __Company-Proprietary-Rights-Code | | field | 1 | 0084 | document-company-proprietary-data-rights-code |
| | If the Government Rights in Technical Data code equal 'U' then the element is either 'N' or 'S' else the element is 'P'. | | | | |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| | If the Government rights in Technical Data code equal "U" and the Company Proprietary rights code equal "N" then the Company name is blank else the Company name is non-blank | | | | |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---|--------------|-------------|------|---|
| __Contract-Authorizing-Government-Rights-Group | | group | 0:1 | 0600 | contract-identifier-information-authorizing-government-rights |
| | If the Government rights in Technical Data code equal 'U' or 'N' then the element is blank else the element is non-blank. | | | | |
| __Data-Rights-Contract-Number | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Data-Rights-Contract-Date-Time-Group | | group | 1 | 0600 | contract-data-rights-date-time |
| __Date | | field | 1 | 0082 | contract-date |
| __Time | | field | 0:1 | 0160 | contract-time |
| __Procuring-Activity-Number-Group | | group | 0:1 | 0600 | procuring-activity-number |
| | Mandatory when directed by contract requirements. Series must be all blank or all non-blank | | | | |
| __Procuring-Activity-Number-Year | | field | 1 | 0219 | julian-year-period-identifier |
| __Procuring-Activity-Number | | field | 1 | 0178 | document-procuring-activity-assigned-identifier |
| __Summary-Of-Description-Of-Change | | field | 1 | 0171 | change-proposal-document-change-description-text |
| __Summary-Of-Need-For-Change | | field | 1 | 0171 | change-proposal-document-change-justification-text |
| __ECP-Affected-Document-Group | | group | 1:N | 0600 | engineering-change-proposal-affected-document |
| __Affected-Document-Sheet-Management-Group | | choice | 1 | 0600 | affected-document-sheet-management |
| __Single-Sheet-Or-Non-Sheet-Managed-Group | | group | 0:1 | 0600 | single-sheet-or-non-sheet-managed |
| __Affected-Document-Identifier-Source-Group | | choice | 1 | 0600 | affected-document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Affected-Document-Identifier | | field | 0:1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Affected-Document-Revision-Group | | choice | 0:1 | 0600 | affected-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Multi-Sheet-Managed-Group | | group | 0:1 | 0600 | multi-sheet-managed |
| __Affected-Documents-Source-Group | | choice | 1 | 0600 | affected-document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Affected-Documents-Source-Group | | field | 0:1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Affected-Documents-Revision-Group | | choice | 0:1 | 0600 | affected-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Sheet-Number | | field | 1 | 0026 | document-sheet-identifier |
| __Sheet-Revision-Group | | choice | 1 | 0600 | sheet-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __NOR-Identification-Group | | group | 0:1 | 0600 | notice-of-revision-identification |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __NOR-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __NOR-Revision-Identification-Group | | choice | 1 | 0600 | nor-revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Changes-To-Affected-Document-Group | | group | 1 | 0600 | changes-to-affected-document |
| __From-To-Change-Description | | field | 0:1 | 0118 | document-specific-proposed-changes-field-text |
| If Redlined document identification group is blank then From-to change description must not be blank | | | | | |
| __Redlined-Document-Identification-Group | | group | 0:1 | 0600 | redlined-document-identification |
| If From-to change description is blank then Redlined document identification group must not be blank | | | | | |
| __Redlined-Document-Identifier-Source-Group | | choice | 1 | 0600 | redlined-document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Redlined-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Redlined-Document-Revision-Group | | choice | 0:1 | 0600 | redlined-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Draft-Revised-Affected-Document-Group | | group | 0:1 | 0600 | draft-revised-affected-document |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--------------|---|--------------|-------------|------|---|
| | Document-Identifier-Source-Group | choice | 1 | 0600 | document-identifier-source |
| | Human-Personal-Identifier-Group | group | 0:1 | 0600 | human-personal-identifier |
| | Human-Personal-Identifier-Source | field | 1 | 0044 | human-personal-identifier-source-identifier |
| | Human-Personal-Identifier | field | 1 | 0069 | human-personal-identifier |
| | Enterprise-Identification-Group | choice | 1 | 0600 | enterprise-identifier |
| | Company-Name | field | 0:1 | 0170 | enterprise-name |
| | Enterprise-Identifier-Code-Group | group | 0:1 | 0600 | enterprise-identifier-code |
| | Identifier-Code-List-Source-Certifier | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| | Identifier-Code-List-Identifier-Code | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| | Identifier-Code | field | 1 | 0329 | enterprise-identifier-code |
| | Document-Identifier | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| | Document-Revision-Identification-Group | choice | 0:1 | 0600 | document-revision-identification |
| | Revision-Date-Time-Group | group | 0:1 | 0600 | revision-date-time |
| | Date | field | 1 | 0082 | document-revision-generic-date |
| | Time | field | 0:1 | 0160 | document-revision-generic-time |
| | Alphanumeric-Revision-Identifier | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| | Proposed-New-Document-Group | choice | 0:N | 0600 | proposed-new-document |
| | Single-Sheet-Or-Non-Sheet-Managed-Group | group | 0:1 | 0600 | single-sheet-or-non-sheet-managed |
| | Affected-Document-Identifier-Source-Group | choice | 1 | 0600 | affected-document-identifier-source |
| | Human-Personal-Identifier-Group | group | 0:1 | 0600 | human-personal-identifier |
| | Human-Personal-Identifier-Source | field | 1 | 0044 | human-personal-identifier-source-identifier |
| | Human-Personal-Identifier | field | 1 | 0069 | human-personal-identifier |
| | Enterprise-Identification-Group | choice | 0:1 | 0600 | enterprise-identifier |
| | Company-Name | field | 0:1 | 0170 | enterprise-name |
| | Enterprise-Identifier-Code-Group | group | 0:1 | 0600 | enterprise-identifier-code |
| | Identifier-Code-List-Source-Certifier | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| | Identifier-Code-List-Identifier-Code | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Affected-Document-Identifier | | field | 0:1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Affected-Document-Revision-Group | | choice | 0:1 | 0600 | affected-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Multi-Sheet-Managed-Group | | group | 0:1 | 0600 | multi-sheet-managed |
| __Affected-Document-Identifier-Source-Group | | choice | 1 | 0600 | affected-document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Affected-Document-Identifier | | field | 0:1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Affected-Document-Revision-Group | | choice | 0:1 | 0600 | affected-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Sheet-Number | | field | 1 | 0026 | document-sheet-identifier |
| __Sheet-Revision-Group | | choice | 1 | 0600 | sheet-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|--|
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Contract-Identification-Group | | group | 0:N | 0600 | contract-identification |
| __Contract-Identifier-Source-Group | | choice | 1 | 0600 | contract-identifier-source |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Contract-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Contract-Modification-Identifier | | field | 0:1 | 0120 | contract-document-revision-identifier |
| __Contract-Line-Item-Affected | | field | 1:N | 0017 | contract-document-line-item-identifier |
| __Contracting-Officer-Group | | group | 1 | 0600 | contracting-officer |
| __Name-Group | | group | 1 | 0600 | name |
| __First-Name | | field | 1 | 0067 | human-first-given-name |
| __Last-Name | | field | 1 | 0068 | human-last-given-name |
| __Office-Name | | field | 1 | 0044 | contracting-officer-responsible-office-name |
| __Telephone-Number | | field | 1 | 0134 | entity-telephone-address-identifier |
| __ECP-Classification-Group | | choice | 1 | 0600 | engineering-change-proposal-classification |
| __ECP-Class-II-Group | | group | 0:1 | 0600 | engineering-change-proposal-class-ii |
| __Consequences-Of-Disapproval | | field | 1 | 0118 | document-change-proposal-disapproval-consequences-field-text |
| __Classification-Agreement-Group | | group | 1 | 0600 | classification-agreement |
| __Classification-Agreement-Code | | field | 1 | 0021 | engineering-change-proposal-document-class-concurrence-process-disposition-status-code |
| __Classification-Agreement-Date-Time-Group | | group | 1 | 0600 | classification-agreement-date-time |
| __Date | | field | 1 | 0082 | engineering-change-proposal-document-contract-administration-change-class-concurrence-date |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Time | | field | 0:1 | 0160 | engineering-change-proposal-contract-administration-change-class-concurrence-time |
| __Classification-Agreement-Authority-Group | | group | 1 | 0600 | classification-agreement-authority |
| __First-Name | | field | 1 | 0067 | human-first-given-name |
| __Last-Name | | field | 1 | 0068 | human-last-given-name |
| __Classification-Authority-Office-Name | | field | 1 | 0044 | engineering-change-proposal-document-contract-administration-office-name |
| __Disposition-Status-Group | | group | 1 | 0600 | disposition-status |
| __Disposition-Status-Code | | field | 1 | 0021 | engineering-change-proposal-document-disposition-status-code |
| __Disposition-Status-Date-Time-Group | | group | 1 | 0600 | disposition-status-date-time |
| __Date | | field | 1 | 0082 | document-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-disposition-status-time |
| __Disposition-Authority-Group | | group | 1 | 0600 | disposition-authority |
| __First-Name | | field | 1 | 0067 | human-first-given-name |
| __Last-Name | | field | 1 | 0068 | human-last-given-name |
| __Disposition-Authority-Office-Name | | field | 1 | 0044 | enterprise-office-name |
| __ECP-Class-I-Group | | group | 0:1 | 0600 | engineering-change-proposal-class-i |
| __Production-Status-Code | | field | 1 | 0223 | engineering-change-proposal-document-in-production-code |
| __Effect-On-Delivery-Schedule | | field | 1 | 0171 | change-proposal-document-production-delivery-schedule-effect-text |
| __Justification-Code | | field | 1 | 0165 | engineering-change-proposal-document-justification-code |
| __Priority-Code | | field | 1 | 0166 | engineering-change-proposal-document-priority-code |
| __Baseline-Affected | | field | 1:N | 0098 | product-baseline-type-code |
| __Interfacing-CIs-Affected-Indicator-Code | | field | 0:1 | 0129 | interface-configuration-item-product-affected-code |
| __Recurring-Deviation-Identification-Group | | group | 0:N | 0600 | recurring-deviation-identification |
| __Recurring-Deviation-Source-Group | | choice | 1 | 0600 | recurring-deviation-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Recurring-Deviation-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Recurring-Deviation-Document-Identifier-Revision-Group | | choice | 1 | 0600 | recurring-deviation-document-identifier-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __ECP-Affected-Product-Group | | group | 1:N | 0600 | engineering-change-proposal-affected-product |
| __Affected-Product-Identification-Group | | choice | 1 | 0600 | affected-product-identification |
| __Part-Identification-Group | | group | 0:1 | 0600 | part-identification |
| __Part-Identifier-Source-Group | | choice | 1 | 0600 | product-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Part-Identifier-Group | | group | 1 | 0600 | part-identifier |
| __Part-Number | | field | 1 | 0024 | product-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Part-Parameters-Group | | group | 0:N | 0600 | part-parameters |
| __Part-Classification-Code | | field | 1 | 0036 | part-classification-type-code |
| __Part-Classification-Value | | field | 1 | 0037 | part-classification-type-value |
| __Software-Identification-Group | | group | 0:1 | 0600 | software-identification |
| __Software-Identifier-Source-Group | | choice | 1 | 0600 | product-identifier-source |
| __Human-Personal-Identifier-Group | | group | 1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Software-Identifier | | field | 1 | 0024 | product-identifier |
| __Level-Code | | field | 1 | 0121 | engineering-change-proposal-document-part-level-code |
| __Product-Tracking-Group | | group | 1:N | 0600 | product-tracking |
| __Effectivity-Tracking-Type-Code | | field | 1 | 0057 | product-change-effectivity-tracking-type-code |
| __Starting-Effectivity | | field | 1 | 0058 | product-starting-effectivity-sequential-tracking-identifier |
| __Retrofit-Group | | group | 0:1 | 0600 | retrofit |
| __Recommendation-For-Retrofit-Kit-Delivery | | field | 1 | 0118 | document-proposed-change-retrofit-recommendations-field-text |
| __Estimated-Retrofit-Completion | | field | 1 | 0081 | product-proposed-retrofit-completion-mro |
| __Related-Retrofit-Incorporation-Group | | group | 0:N | 0600 | related-retrofit-incorporation |
| __Retrofit-Implementation-Sequence-Code | | field | 1 | 0193 | retrofit-kit-change-document-implementation-sequence-code |
| __Retrofit-ECP-Identification-Group | | group | 1 | 0600 | retrofit-engineering-change-proposal-identification |
| __ECP-Group-Document-Identifier-Source-Group | | choice | 1 | 0600 | engineering-change-proposal-document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|-----------------------------|--------------|-------------|------|--|
| __Manhour-Per-Unit-To-Test | | field | 1 | 0087 | retrofit-kit-test-process-period-work-hour-quantity |
| __Manhour-Per-Unit-To-System-Test | | field | 1 | 0087 | retrofit-system-test-process-period-work-hour-quantity |
| __Hours-Out-Of-Service | | field | 1 | 0184 | predicted-asset-service-period-downtime-days-quantity |
| __Quantity-Of-Kits-Required | | field | 1 | 0019 | product-quantity |
| __Contractual-Authority-Suspense-Group | | group | 0:1 | 0600 | contractual-authority-suspense |
| __Production-Suspense-Date-Time-Group | | group | 0:1 | 0600 | production-suspense-date-time |
| __Date | | field | 1 | 0082 | engineering-change-proposal-document-production-contract-authority-need-date |
| __Time | | field | 0:1 | 0160 | engineering-change-proposal-document-production-contract-authority-need-time |
| __Retrofit-Suspense-Date-Time-Group | | group | 0:1 | 0600 | retrofit-suspense-date-time |
| __Date | | field | 1 | 0082 | engineering-change-proposal-document-retrofit-contract-authority-need-date |
| __Time | | field | 0:1 | 0160 | engineering-change-proposal-document-retrofit-contract-authority-need-time |
| __Effects-Of-This-ECP-Group | | group | 0:N | 0600 | effects-of-this-engineering-change-proposal |
| __Identification-Of-Area-Affected | | field | 1 | 0330 | identification-of-area-affected |
| __Summary-Of-Effect | | field | 1 | 0118 | document-proposed-change-effect-field-text |
| __Related-Document-Group | | group | 0:N | 0600 | related-document |
| __Related-Document-Relationship-Type | | field | 1 | 0048 | relationship-type |
| | Must be either 'RD' or 'SD' | | | | |
| __Related-Document-Identifier-Source-Group | | choice | 1 | 0600 | related-document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--------------|--|--------------|-------------|------|--|
| | Identifier-Code | field | 1 | 0329 | enterprise-identifier-code |
| | Related-Documents-Identifiers | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| | Related-Documents-Revisions-Identification-Group | choice | 1 | 0600 | related-document-revision-identification |
| | Revision-Date-Time-Group | group | 0:1 | 0600 | revision-date-time |
| | Date | field | 1 | 0082 | document-revision-generic-date |
| | Time | field | 0:1 | 0160 | document-revision-generic-time |
| | Alphanumeric-Revision-Identifier | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| | Developmental-Program-Requirements | field | 0:1 | 0118 | document-proposed-change-developmental-program-requirements-field-text |
| | Trade-Offs-And-Alternate-Solutions | field | 0:1 | 0118 | document-proposed-change-alternate-solutions-field-text |
| | Disposition-Group | group | 1 | 0600 | disposition |
| | Disposition-Recommendation-Group | group | 1 | 0600 | disposition-recommendation |
| | Recommendation-Status-Code | field | 1 | 0021 | engineering-change-proposal-document-recommendation-disposition-status-code |
| | Recommendation-Status-Date-Time-Group | group | 1 | 0600 | recommendation-status-date-time |
| | Date | field | 1 | 0082 | engineering-change-proposal-document-contract-administration-disposition-recommendation-date |
| | Time | field | 0:1 | 0160 | engineering-change-proposal-document-contract-administration-disposition-recommendation-time |
| | Recommendation-Authority-Group | group | 1 | 0600 | recommendation-authority |
| | First-Name | field | 1 | 0067 | human-first-given-name |
| | Last-Name | field | 1 | 0068 | human-last-given-name |
| | Recommendation-Authority-Office-Name | field | 1 | 0044 | engineering-change-proposal-document-contract-administration-office-name |
| | Disposition-Status-Group | group | 1 | 0600 | disposition-status |
| | Disposition-Status-Code | field | 1 | 0021 | engineering-change-proposal-document-disposition-status-code |
| | Disposition-Status-Date-Time-Group | group | 1 | 0600 | disposition-status-date-time |
| | Date | field | 1 | 0082 | document-disposition-status-date |
| | Time | field | 0:1 | 0160 | document-disposition-status-time |
| | Disposition-Authority-Group | group | 1 | 0600 | disposition-authority |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __First-Name | | field | 1 | 0067 | human-first-given-name |
| __Last-Name | | field | 1 | 0068 | human-last-given-name |
| __Disposition-Authority-Office-Name | | field | 1 | 0044 | enterprise-office-name |
| __Format-Group | | choice | 1 | 0600 | format |
| __Preliminary-Format-Group | | group | 0:1 | 0600 | preliminary-format |
| __Consequences-Of-Disapproval | | field | 0:1 | 0118 | document-change-proposal-disapproval-consequences-field-text |
| __Budgetary-Cost-Estimates-Group | | group | 1 | 0600 | budgetary-cost-estimates |
| __Budgetary-Estimate-Of-RDTE-Cost | | field | 1 | 0172 | engineering-change-proposal-document-estimated-research-cost-amount |
| __Budgetary-Estimate-Of-Production-Cost | | field | 1 | 0172 | engineering-change-proposal-document-estimated-production-cost-amount |
| __Final-Format-Group | | group | 0:1 | 0600 | final-format |
| __Primary-Related-Group | | choice | 0:1 | 0600 | primary-related |
| __Related-ECP-Group | | group | 0:N | 0600 | related-ecp |
| __Related-ECP-Identifier-Source-Group | | choice | 1 | 0600 | related-ecp-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Related-ECP-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Related-ECP-Revision-Group | | choice | 0:1 | 0600 | related-ecp-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|--|
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Primary-ECP-Group | | group | 0:1 | 0600 | primary-ecp |
| __Primary-ECP-Identifier-Source-Group | | choice | 1 | 0600 | primary-ecp-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Primary-ECP-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Primary-ECP-Revision-Group | | choice | 0:1 | 0600 | primary-ecp-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Consequences-Of-Disapproval | | field | 1 | 0118 | document-change-proposal-disapproval-consequences-field-text |
| __Cost-Group | | group | 1:N | 0600 | cost |
| __Cost-Summary-Group | | choice | 1:N | 0600 | cost-summary |
| __Contract-Cost-Savings-Group | | group | 0:1 | 0600 | contract-cost-savings |
| __DoD-Component-Code | | field | 1 | 0002 | engineering-change-proposal-cost-affected-enterprise-acronym-identification-code |
| __Cost-Area | | field | 1 | 0321 | engineering-change-proposal-cost-type-identifier |
| __Estimated-Costs-Savings | | field | 1 | 0172 | engineering-change-proposal-document-estimated-cost-amount |
| __Future-Cost-Savings-Group | | group | 0:1 | 0600 | future-cost-savings |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|-----------------------------|--------------|-------------|------|--|
| __DoD-Component-Code | | field | 1 | 0002 | engineering-change-proposal-cost-affected-enterprise-acronym-identification-code |
| __Cost-Area | | field | 1 | 0321 | engineering-change-proposal-cost-type-identifier |
| __Estimated-Costs-Savings | | field | 1 | 0172 | engineering-change-proposal-document-estimated-cost-amount |
| __Cost-Document-Identification-Group | | group | 1 | 0600 | cost-document-identification |
| __Document-Identifier-Source-Group | | choice | 1 | 0600 | document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Document-Revision-Identification-Group | | choice | 0:1 | 0600 | document-revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __ECP-Element-To-Related-Documents-Group | | group | 0:N | 0600 | engineering-change-proposal-element-to-related-document |
| __ECP-Element-Name | | field | 1 | 0332 | ecp-element-name |
| __Related-Documents-Relationship-Type | | field | 1 | 0048 | relationship-type |
| | Must be either 'RD' or 'SD' | | | | |
| __Related-Documents-Group | | group | 1 | 0600 | related-document |
| __Related-Documents-Identifier-Source-Group | | choice | 1 | 0600 | related-document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Related-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Related-Document-Revision-Identification-Group | | choice | 1 | 0600 | related-document-revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| Data Information Packet Name: Notice-Of-Revision | | | | | |
| __NOR-Document-Identifier-Source-Group | | choice | 1 | 0600 | nor-document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __NOR-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __NOR-Revision-Identification-Group | | choice | 1 | 0600 | nor-revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Security-Protection-Group | | group | 1 | 0600 | security-protection |
| __Government-Security-Classification-Group | | group | 1 | 0600 | government-security-classification |
| __Government-Security-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Classification-Information-Group | | group | 0:1 | 0600 | classification-information |
| If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non- blank | | | | | |
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---|--------------|-------------|------|---|
| __Downgrade-Information-Group | If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | group | 0:1 | 0600 | downgrade-information |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |
| __Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __Date | | field | 1 | 0082 | document-security-declassification-date |
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group | If Copyright type equal 'N' then element is blank else element is non-blank | choice | 0:1 | 0600 | copyright-owner-identification |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Copyright-Date-Time-Group | If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | group | 0:1 | 0600 | copyright-date-time |
| __Date | | field | 1 | 0082 | document-copyright-date |
| __Time | | field | 0:1 | 0160 | document-copyright-time |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|--|
| __Date | | field | 1 | 0082 | contract-date |
| __Time | | field | 0:1 | 0160 | contract-time |
| __Disposition-Status-Group | | group | 1 | 0600 | disposition-status |
| __Disposition-Status-Code | | field | 1 | 0021 | engineering-change-proposal-document-disposition-status-code |
| __Disposition-Status-Date-Time-Group | | group | 1 | 0600 | disposition-status-date-time |
| __Date | | field | 1 | 0082 | document-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-disposition-status-time |
| __Disposition-Authority-Group | | group | 1 | 0600 | disposition-authority |
| __First-Name | | field | 1 | 0067 | human-first-given-name |
| __Last-Name | | field | 1 | 0068 | human-last-given-name |
| __Disposition-Authority-Office-Name | | field | 1 | 0044 | enterprise-office-name |
| __Originator-Point-Of-Contact | | group | 0:1 | 0600 | originator-point-of-contact |
| Mandatory on first submittal; optional on all subsequent revisions | | | | | |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Procuring-Activity-Number-Group | | group | 0:1 | 0600 | procuring-activity-number |
| Mandatory when directed by contract requirements. Series must be all blank or all non-blank | | | | | |
| __Procuring-Activity-Number-Year | | field | 1 | 0219 | julian-year-period-identifier |
| __Procuring-Activity-Number | | field | 1 | 0178 | document-procuring-activity-assigned-identifier |
| __NOR-Affected-Documents-Group | | group | 1 | 0600 | notice-of-revision-affected-document |
| __Affected-Documents-Management-Group | | choice | 1 | 0600 | affected-document-sheet-management |
| __Single-Sheet-Or-Non-Sheet-Managed-Group | | group | 0:1 | 0600 | single-sheet-or-non-sheet-managed |
| __Affected-Documents-Identifier-Source-Group | | choice | 1 | 0600 | affected-document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Affected-Document-Identifier | | field | 0:1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Affected-Document-Revision-Group | | choice | 0:1 | 0600 | affected-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Changes-To-Affected-Document-Group | | group | 1 | 0600 | changes-to-affected-document |
| __From-To-Change-Description | | field | 0:1 | 0118 | document-specific-proposed-changes-field-text |
| If Redlined document identification group is blank then From-to change text description must not be blank | | | | | |
| __Redlined-Document-Identification-Group | | group | 0:1 | 0600 | redlined-document-identification |
| If From-to change text description is blank then Redlined document identification group must not be blank | | | | | |
| __Redlined-Document-Identifier-Source-Group | | choice | 1 | 0600 | redlined-document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Redlined-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Redlined-Document-Revision-Group | | choice | 0:1 | 0600 | redlined-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Draft-Revised-Affected-Document-Group | | group | 0:1 | 0600 | draft-revised-affected-document |
| __Document-Identifier-Source-Group | | choice | 1 | 0600 | document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Document-Revision-Identification-Group | | choice | 0:1 | 0600 | document-revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Revision-Incorporation-Group | | group | 0:1 | 0600 | revision-incorporation |
| __Incorporation-Date-Time-Group | | group | 1 | 0600 | incorporation-date-time |
| __Date | | field | 1 | 0082 | document-revised-sheet-change-incorporation-date |
| __Time | | field | 0:1 | 0160 | document-revised-sheet-change-incorporation-time |
| __Revision-Incorporation-Authority-Group | | group | 1 | 0600 | revision-incorporation-authority |
| __First-Name | | field | 1 | 0067 | human-first-given-name |
| __Last-Name | | field | 1 | 0068 | human-last-given-name |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|------------------------|
| <u> </u> Revision-Incorporation-Authority-Office-Name | | field | 1 | 0044 | enterprise-office-name |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| Data Information Packet Name: Request-For-Deviation | | | | | |
| __RFD-Document-Identifier-Source-Group | | choice | 1 | 0600 | rfd-document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __RFD-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __RFD-Document-Revision-Group | | choice | 1 | 0600 | request-for-deviation-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __RFD-Document-Title | | field | 1 | 0008 | document-name |
| __Security-Protection-Group | | group | 1 | 0600 | security-protection |
| __Government-Security-Classification-Group | | group | 1 | 0600 | government-security-classification |
| __Government-Security-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Classification-Information-Group | | group | 0:1 | 0600 | classification-information |
| If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non- blank | | | | | |
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---|--------------|-------------|------|---|
| __Downgrade-Information-Group | If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | group | 0:1 | 0600 | downgrade-information |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |
| __Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __Date | | field | 1 | 0082 | document-security-declassification-date |
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group | If Copyright type equal 'N' then element is blank else element is non-blank | choice | 0:1 | 0600 | copyright-owner-identification |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Copyright-Date-Time-Group | If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | group | 0:1 | 0600 | copyright-date-time |
| __Date | | field | 1 | 0082 | document-copyright-date |
| __Time | | field | 0:1 | 0160 | document-copyright-time |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|--|
| __Date | | field | 1 | 0082 | contract-date |
| __Time | | field | 0:1 | 0160 | contract-time |
| __RFD-Classification-Code | | field | 1 | 0125 | deviation-request-document-defect-severity-classification-code |
| __Disposition-Status-Group | | group | 1 | 0600 | disposition-status |
| __Disposition-Status-Code | | field | 1 | 0021 | engineering-change-proposal-document-disposition-status-code |
| __Disposition-Status-Date-Time-Group | | group | 1 | 0600 | disposition-status-date-time |
| __Date | | field | 1 | 0082 | document-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-disposition-status-time |
| __Disposition-Authority-Group | | group | 1 | 0600 | disposition-authority |
| __First-Name | | field | 1 | 0067 | human-first-given-name |
| __Last-Name | | field | 1 | 0068 | human-last-given-name |
| __Disposition-Authority-Office-Name | | field | 1 | 0044 | enterprise-office-name |
| __Originator-Point-Of-Contact | | group | 0:1 | 0600 | originator-point-of-contact |
| | Mandatory on first submittal; optional on all subsequent revisions | | | | |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Procuring-Activity-Number-Group | | group | 0:1 | 0600 | procuring-activity-number |
| | Mandatory when directed by contract requirements. | | | | |
| __Procuring-Activity-Number-Year | | field | 1 | 0219 | julian-year-period-identifier |
| __Procuring-Activity-Number | | field | 1 | 0178 | document-procuring-activity-assigned-identifier |
| __Baseline-Affected | | field | 1:N | 0098 | product-baseline-type-code |
| __Interfacing-CIs-Affected-Indicator-Code | | field | 0:1 | 0129 | interface-configuration-item-product-affected-code |
| __Recurring-Deviation-Group | | group | 0:N | 0600 | recurring-deviation |
| __Recurring-Deviation-Identification-Group | | group | 1:N | 0600 | recurring-deviation-identification |
| __Recurring-Deviation-Source-Group | | choice | 1 | 0600 | recurring-deviation-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Recurring-Deviation-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Recurring-Deviation-Document-Identifier-Revision-Group | | choice | 0:1 | 0600 | recurring-deviation-document-identifier-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Rationale-For-Recurring-Deviation | | field | 1 | 0118 | document-recurring-deviation-request-corrective-action-taken-field-text |
| __Summary-Of-Description-Of-Change | | field | 1 | 0126 | deviation-request-document-description-text |
| __Summary-Of-Need-For-Deviation | | field | 1 | 0127 | deviation-request-document-justification-text |
| __Summary-Of-Corrective-Action- | | field | 1 | 0130 | deviation-request-document-corrective-action-taken-text |
| __RFD-Affected-Document-Group | | group | 1:N | 0600 | request-for-deviation-affected-document |
| __Affected-Document-Identification-Group | | group | 1 | 0600 | affected-document-identification |
| May be repeated for each document that contains requirements for which the deviation is being requested. | | | | | |
| __Affected-Document-Identifier-Source-Group | | choice | 1 | 0600 | affected-document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|-----------------------------|--------------|-------------|------|---|
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Affected-Document-Identifier | | field | 0:1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Affected-Document-Revision-Group | | choice | 0:1 | 0600 | affected-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Classification-Of-Defect-Code | | field | 0:N | 0030 | classification-defects-type-code |
| __RFD-Element-To-Related-Document-Group | | group | 0:N | 0600 | request-for-deviation-element-to-related-document |
| __RFD-Element-Name | | field | 1 | 0331 | rfd-element-name |
| __Related-Document-Relationship-Type | | field | 1 | 0048 | relationship-type |
| | Must be either 'RD' or 'SD' | | | | |
| __Related-Document-Group | | group | 1 | 0600 | related-document |
| __Related-Document-Identifier-Source-Group | | choice | 1 | 0600 | related-document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Related-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Related-Document-Revision-Identification-Group | | choice | 1 | 0600 | related-document-revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __RFD-Affected-Product-Group | | group | 1:N | 0600 | request-for-deviation-affected-product |
| __Affected-Product-Identification-Group | | choice | 1 | 0600 | affected-product-identification |
| __Part-Identification-Group | | group | 0:1 | 0600 | part-identification |
| __Part-Identifier-Source-Group | | choice | 1 | 0600 | product-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Part-Identifier-Group | | group | 1 | 0600 | part-identifier |
| __Part-Number | | field | 1 | 0024 | product-identifier |
| __Part-Parameters-Group | | group | 0:N | 0600 | part-parameters |
| __Part-Classification-Code | | field | 1 | 0036 | part-classification-type-code |
| __Part-Classification-Value | | field | 1 | 0037 | part-classification-type-value |
| __Software-Identification-Group | | group | 0:1 | 0600 | software-identification |
| __Software-Identifier-Source-Group | | choice | 1 | 0600 | product-identifier-source |
| __Human-Personal-Identifier-Group | | group | 1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Software-Identifier | | field | 1 | 0024 | product-identifier |
| __Level-Code | | field | 1 | 0220 | deviation-request-document-part-level-code |
| __Product-Tracking-Group | | group | 1:N | 0600 | product-tracking |
| __Effectivity-Tracking-Type-Code | | field | 1 | 0057 | product-change-effectivity-tracking-type-code |
| __Starting-Effectivity | | field | 1 | 0058 | product-starting-effectivity-sequential-tracking-identifier |
| __Ending-Effectivity | | field | 1 | 0058 | product-ending-effectivity-sequential-tracking-identifier |
| __Contract-Identification-Group | | group | 1:N | 0600 | contract-identification |
| __Contract-Identifier-Source-Group | | choice | 1 | 0600 | contract-identifier-source |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Contract-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Contract-Modification-Identifier | | field | 0:1 | 0120 | contract-document-revision-identifier |
| __Contract-Line-Item-Affected | | field | 1:N | 0017 | contract-document-line-item-identifier |
| __Contracting-Officer-Group | | group | 1 | 0600 | contracting-officer |
| __Name-Group | | group | 1 | 0600 | name |
| __First-Name | | field | 1 | 0067 | human-first-given-name |
| __Last-Name | | field | 1 | 0068 | human-last-given-name |
| __Office-Name | | field | 1 | 0044 | contracting-officer-responsible-office-name |
| __Telephone-Number | | field | 1 | 0134 | entity-telephone-address-identifier |
| __Effect-On-Delivery-Schedule | | field | 1 | 0131 | deviation-request-document-delivery-schedule-effect-text |
| __Effect-On-Acquisition-Logistics | | field | 0:1 | 0118 | document-proposed-change-logistics-support-effect-field-text |
| __RFD-Price-Consideration | | field | 1 | 0132 | deviation-request-document-price-effect-estimate-amount |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|-------------------------------------|---------------|--------------|-------------|------|---|
| __RFD-Price-Consideration-Rationale | | field | 1 | 0104 | deviation-request-document-price-adjustment-effect-rationale-text |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| Data Information Packet Name: General-Document | | | | | |
| __Base-Document-Identification-Group | | group | 1:N | 0600 | base-document-identification |
| __Document-Identifier-Source-Group | | choice | 1 | 0600 | document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Document-Revision-Group | | group | 1 | 0600 | document-revision |
| __Revision-Identification-Group | | choice | 1 | 0600 | revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Revision-Status-Group | | group | 1 | 0600 | document-revision-status |
| __Revision-Status-Code | | field | 1 | 0021 | document-revision-approval-process-disposition-status-code |
| __Revision-Status-Date-Time-Group | | group | 1 | 0600 | document-revision-status-date-time |
| __Date | | field | 1 | 0082 | document-revision-approval-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-revision-approval-process-disposition-status-time |
| __General-Document-Subsidiary-Type-Code | | field | 1 | 0135 | General-Document-Subsidiary-Type-Code |
| __Document-Title | | field | 1 | 0008 | document-name |
| __Document-Preparation-Date-Time-Group | | group | 0:1 | 0600 | document-preparation-date-time |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Date | | field | 1 | 0082 | document-preparation-date |
| __Time | | field | 0:1 | 0160 | document-preparation-time |
| __Special-Condition-Code | | field | 0:N | 0257 | engineering-document-special-condition-code |
| __Hazardous-Material-Code | | field | 0:1 | 0078 | supply-item-hazardous-material-code |
| __CDCA-Group | | group | 1 | 0600 | current-document-change-authority |
| __CDCA-Identification-Group | | group | 1 | 0600 | current-document-change-authority-identification |
| __CDCA-Identifier-Group | | choice | 1 | 0600 | current-document-change-authority-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __CDCA-Office-Name | | field | 0:1 | 0044 | current-document-design-control-enterprise-office-name |
| __CDCA-Effective-Date-Time-Group | | group | 0:1 | 0600 | current-document-change-authority-effective-date-time |
| __Date | | field | 1 | 0082 | document-change-control-authority-effective-date |
| __Time | | field | 0:1 | 0160 | document-change-control-authority-effective-time |
| __Product-Defined-Group | | choice | 0:N | 0600 | product-defined |
| __Part-Identification-Group | | group | 1 | 0600 | part-identification |
| __Part-Identifier-Source-Group | | choice | 1 | 0600 | product-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Part-Identifier-Group | | group | 1 | 0600 | part-identifier |
| __Part-Number | | field | 1 | 0024 | product-identifier |
| __Part-Parameters-Group | | group | 0:N | 0600 | part-parameters |
| __Part-Classification-Code | | field | 1 | 0036 | part-classification-type-code |
| __Part-Classification-Value | | field | 1 | 0037 | part-classification-type-value |
| __Software-Identification-Group | | group | 1 | 0600 | software-identification |
| __Software-Identifier-Source-Group | | choice | 1 | 0600 | product-identifier-source |
| __Human-Personal-Identifier-Group | | group | 1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Software-Identifier | | field | 1 | 0024 | product-identifier |
| __Related-Document-Group | | group | 0:N | 0600 | related-document |
| __Related-Document-Relationship-Type | | field | 1 | 0048 | relationship-type |
| Must be either 'RD' or 'IA' | | | | | |
| __Related-Document-Identifier-Source-Group | | choice | 1 | 0600 | related-document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Related-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Related-Document-Revision-Identification-Group | | choice | 0:1 | 0600 | related-document-revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __ECP-Authorizing-This-Revision-Group | | group | 0:N | 0600 | engineering-change-proposal-authorizing-this-revision |
| __ECP-Identifier-Source-Group | | choice | 1 | 0600 | engineering-change-proposal-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __ECP-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __ECP-Revision-Identification-Group | | choice | 0:1 | 0600 | engineering-change-proposal-revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Security-Protection-Group | | group | 1 | 0600 | security-protection |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Copyright-Date-Time-Group | | group | 0:1 | 0600 | copyright-date-time |
| | If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | | | | |
| __Date | | field | 1 | 0082 | document-copyright-date |
| __Time | | field | 0:1 | 0160 | document-copyright-time |
| __Distribution-Information-Group | | group | 1 | 0600 | distribution-information |
| __Distribution-Statement-Code-Group | | group | 1 | 0600 | distribution-statement-code |
| __Distribution-Statement-Code | | field | 1 | 0014 | document-distribution-statement-code |
| __Distribution-Statement-Reason-Code | | field | 1:N | 0015 | document-distribution-statement-reason-code |
| __Distribution-Statement-Information-Group | | group | 0:1 | 0600 | distribution-statement-information |
| | If Distribution statement code equal "A" and the Distribution statement reason code equal "00" then the Distribution statement information group is blank else the Distribution statement information group is non-blank | | | | |
| __Distribution-Statement-Determination-Date-Time-Group | | group | 1 | 0600 | distribution-statement-date-time |
| __Date | | field | 1 | 0082 | document-distribution-restriction-determination-date |
| __Time | | field | 0:1 | 0160 | document-distribution-restriction-determination-time |
| __Distribution-Controlling-Office-Group | | group | 1 | 0600 | distribution-controlling-office |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Distribution-Controlling-Office-Name | | field | 0:1 | 0044 | document-distribution-controller-enterprise-office-name |
| __Export-Control-Restriction-Code | | field | 1 | 0079 | document-export-control-code |
| | If distribution-statement-code equals 'A' then element must be 'N'; If distribution-statement-code equals 'X' then element must be 'Y'. | | | | |
| __Data-Rights-Information-Group | | group | 1 | 0600 | data-rights-information |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---|--------------|-------------|------|---|
| __Government-Rights-In-Technical-Data-Code | | field | 1 | 0022 | technical-document-government-data-rights-code |
| __Company-Proprietary-Rights-Code | | field | 1 | 0084 | document-company-proprietary-data-rights-code |
| | If the Government Rights in Technical Data code equal 'U' then the element is either 'N' or 'S' else the element is 'P'. | | | | |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| | If the Government rights in Technical Data code equal "U" and the Company Proprietary rights code equal "N" then the Company name is blank else the Company name is non-blank | | | | |
| __Contract-Authorizing-Government-Rights-Group | | group | 0:1 | 0600 | contract-identifier-information-authorizing-government-rights |
| | If the Government rights in Technical Data code equal 'U' or 'N' then the element is blank else the element is non-blank. | | | | |
| __Data-Rights-Contract-Number | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Data-Rights-Contract-Date-Time-Group | | group | 1 | 0600 | contact-data-rights-date-time |
| __Date | | field | 1 | 0082 | contract-date |
| __Time | | field | 0:1 | 0160 | contract-time |
| __Sheet-Management-Group | | choice | 1 | 0600 | sheet-management |
| __Non-Sheet-Managed-Document-Group | | group | 0:1 | 0600 | non-sheet-managed-document |
| __Document-Representation-Group | | group | 1:N | 0600 | document-representation |
| __Document-Representation-Originator-Group | | choice | 1 | 0600 | document-representation-originator |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Group | | choice | 1 | 0600 | document-representation-custodian |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Office-Name | | field | 1 | 0044 | document-custodial-enterprise-office-name |
| __Document-Representation-Version-Group | | group | 1 | 0600 | document-representation-version |
| __Version-Identification-Group | | field | 1 | 0600 | version-identification |
| __Version-Date-Time-Group | | group | 1 | 0600 | version-date-time |
| __Date | | field | 1 | 0082 | document-representation-creation-date |
| __Time | | field | 0:1 | 0160 | document-representation-creation-time |
| __Alphanumeric-Version-Identifier | | field | 1 | 0208 | document-representation-version-identifier |
| __Version-Status-Group | | group | 1 | 0600 | version-status |
| __Version-Status-Code | | field | 1 | 0021 | document-representation-release-process-disposition-status-code |
| __Version-Status-Date-Time-Group | | group | 1 | 0600 | version-status-date-time |
| __Date | | field | 1 | 0082 | document-representation-release-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-representation-release-process-disposition-status-time |
| __Document-Representation-Medium-Code | | field | 1 | 0326 | document-representation-medium-identification-code |
| __Document-Representation-Medium-Group | | choice | 1 | 0600 | representation-medium |
| __Digital-Representation-Group | | group | 0:1 | 0600 | digital-document-representation-information |
| If Document representation medium code = 'D' then Digital representation group is non-blank else Digital representation group is blank | | | | | |
| __Digital-Representation-Target-Environment-Type-Code | | field | 1 | 0210 | document-file-type-code |
| __Target-Environment-Group | | choice | 0:1 | 0600 | target-environment |
| __Standards-Based-Group | | group | 0:1 | 0600 | standards-based |
| If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | | |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Standards-Based-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Standards-Based-Document-Revision-Group | | choice | 1 | 0600 | standards-based-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Proprietary-Software-Based-Group | | group | 0:1 | 0600 | proprietary-software-based |
| | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | |
| __Proprietary-Software-Based-Identifier-Source-Group | | choice | 1 | 0600 | proprietary-software-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Proprietary-Software-Based-Identifier | | field | 1 | 0024 | product-identifier |
| __File-Identification-Group | | group | 1:N | 0600 | file-identification |
| __File-Identifier | | field | 1 | 0206 | electronic-document-file-identifier |

[illegible]

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---|--------------|-------------|------|---|
| __Classification-Information-Group | If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non- blank | group | 0:1 | 0600 | classification-information |
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |
| __Downgrade-Information-Group | If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | group | 0:1 | 0600 | downgrade-information |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |
| __Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __Date | | field | 1 | 0082 | document-security-declassification-date |
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group | If Copyright type equal 'N' then element is blank else element is non-blank | choice | 0:1 | 0600 | copyright-owner-identification |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Copyright-Date-Time-Group | If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | group | 0:1 | 0600 | copyright-date-time |
| __Date | | field | 1 | 0082 | document-copyright-date |
| __Time | | field | 0:1 | 0160 | document-copyright-time |
| __Distribution-Information-Group | | group | 1 | 0600 | distribution-information |
| __Distribution-Statement-Code-Group | | group | 1 | 0600 | distribution-statement-code |
| __Distribution-Statement-Code | | field | 1 | 0014 | document-distribution-statement-code |
| __Distribution-Statement-Reason-Code | | field | 1:N | 0015 | document-distribution-statement-reason-code |
| __Distribution-Statement-Information-Group | If Distribution statement code equal "A" and the Distribution statement reason code equal "00" then the Distribution statement information group is blank else the Distribution statement information group is non-blank | group | 0:1 | 0600 | distribution-statement-information |
| __Distribution-Statement-Determination-Date-Time-Group | | group | 1 | 0600 | distribution-statement-date-time |
| __Date | | field | 1 | 0082 | document-distribution-restriction-determination-date |
| __Time | | field | 0:1 | 0160 | document-distribution-restriction-determination-time |
| __Distribution-Controlling-Office-Group | | group | 1 | 0600 | distribution-controlling-office |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Distribution-Controlling-Office-Name | | field | 0:1 | 0044 | document-distribution-controller-enterprise-office-name |
| __Export-Control-Restriction-Code | If distribution-statement-code equals 'A' then element must be 'N'; If distribution-statement-code equals 'X' then element must be 'Y'. | field | 1 | 0079 | document-export-control-code |
| __Data-Rights-Information-Group | | group | 1 | 0600 | data-rights-information |
| __Government-Rights-In-Technical-Data-Code | | field | 1 | 0022 | technical-document-government-data-rights-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Company-Proprietary-Rights-Code | If the Government Rights in Technical Data code equal 'U' then the element is either 'N' or 'S' else the element is 'P'. | field | 1 | 0084 | document-company-proprietary-data-rights-code |
| __Company-Name | If the Government rights in Technical Data code equal "U" and the Company Proprietary rights code equal "N" then the Company name is blank else the Company name is non-blank | field | 0:1 | 0170 | enterprise-name |
| __Contract-Authorizing-Government-Rights-Group | If the Government rights in Technical Data code equal 'U' or 'N' then the element is blank else the element is non-blank. | group | 0:1 | 0600 | contract-identifier-information-authorizing-government-rights |
| __Data-Rights-Contract-Number | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Data-Rights-Contract-Date-Time-Group | | group | 1 | 0600 | contact-data-rights-date-time |
| __Date | | field | 1 | 0082 | contract-date |
| __Time | | field | 0:1 | 0160 | contract-time |
| __File-Information-Group | | choice | 1 | 0600 | File-information |
| __Imbedded-File-Information-Group | Imbedded file information group contains the hexa-decimal representation of the file. | group | 0:1 | 0600 | imbedded-file-information |
| __File-Size-In-Bytes | | field | 1 | 0601 | file-size-in-bytes |
| __File | | field | 1 | 0601 | file |
| __Computer-Operating-System-Type-Code | | field | 0:1 | 0213 | computer-operating-system-asset-type-code |
| __CITIS-Access-Information-Group | | group | 0:1 | 0600 | contractor-integrated-technical-information-service-information |
| __Non-Digital-Representation-Group | If Document representation medium identification not equal "D" then Non digital Document representation information group is non-blank else Non digital Document representation information group is blank | group | 0:1 | 0600 | non-digital-representation-information |
| __Sheet-Managed-Document-Group | | choice | 0:1 | 0600 | sheet-managed-document |
| __Single-Sheet-Group | | group | 0:1 | 0600 | single-sheet |
| __Drawing-Size | | field | 0:1 | 0112 | document-sheet-size-code |
| __Document-Representation-Group | | group | 1:N | 0600 | document-representation |
| __Document-Representation-Originator-Group | | choice | 1 | 0600 | document-representation-originator |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Group | | choice | 1 | 0600 | document-representation-custodian |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Office-Name | | field | 1 | 0044 | document-custodial-enterprise-office-name |
| __Document-Representation-Version-Group | | group | 1 | 0600 | document-representation-version |
| __Version-Identification-Group | | field | 1 | 0600 | version-identification |
| __Version-Date-Time-Group | | group | 1 | 0600 | version-date-time |
| __Date | | field | 1 | 0082 | document-representation-creation-date |
| __Time | | field | 0:1 | 0160 | document-representation-creation-time |
| __Alphanumeric-Version-Identifier | | field | 1 | 0208 | document-representation-version-identifier |
| __Version-Status-Group | | group | 1 | 0600 | version-status |
| __Version-Status-Code | | field | 1 | 0021 | document-representation-release-process-disposition-status-code |
| __Version-Status-Date-Time-Group | | group | 1 | 0600 | version-status-date-time |
| __Date | | field | 1 | 0082 | document-representation-release-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-representation-release-process-disposition-status-time |
| __Document-Representation-Medium-Code | | field | 1 | 0326 | document-representation-medium-identification-code |
| __Document-Representation-Medium-Group | | choice | 1 | 0600 | representation-medium |
| __Digital-Representation-Group | | group | 0:1 | 0600 | digital-document-representation-information |
| If Document representation medium code = 'D' then Digital representation group is non-blank else Digital representation group is blank | | | | | |
| __Digital-Representation-Target-Environment-Type-Code | | field | 1 | 0210 | document-file-type-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Target-Environment-Group | | choice | 0:1 | 0600 | target-environment |
| __Standards-Based-Group | | group | 0:1 | 0600 | standards-based |
| | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Standards-Based-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Standards-Based-Document-Revision-Group | | choice | 1 | 0600 | standards-based-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Proprietary-Software-Based-Group | | group | 0:1 | 0600 | proprietary-software-based |
| | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | |
| __Proprietary-Software-Based-Identifier-Source-Group | | choice | 1 | 0600 | proprietary-software-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Proprietary-Software-Based-Identifier | | field | 1 | 0024 | product-identifier |
| __File-Identification-Group | | group | 1:N | 0600 | file-identification |
| __File-Identifier | | field | 1 | 0206 | electronic-document-file-identifier |
| __File-Identifier-Source-Group | | choice | 0:1 | 0600 | file-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __File-Origination-Date-Time-Group | | group | 1 | 0600 | File-origination-date-time |
| __Date | | field | 1 | 0082 | electronic-document-file-creation-date |
| __Time | | field | 1 | 0160 | electronic-document-file-creation-time |
| __File-Description | | field | 0:1 | 0212 | document-file-description-text |
| __File-Compression-Method-Code | | field | 0:1 | 0214 | document-file-compression-method-code |
| __File-Type-Group | | group | 1 | 0600 | file-type |
| __File-Type-Code | | field | 1 | 0210 | document-file-type-code |
| __File-Type-Information-Group | | choice | 0:1 | 0600 | file-type-information |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| Standards-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | standards-based |
| Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| Company-Name | | field | 0:1 | 0170 | enterprise-name |
| Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| Standards-Based-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| Standards-Based-Document-Revision-Group | | choice | 1 | 0600 | standards-based-document-revision |
| Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| Date | | field | 1 | 0082 | document-revision-generic-date |
| Time | | field | 0:1 | 0160 | document-revision-generic-time |
| Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| Proprietary-Software-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | proprietary-software-based |
| Proprietary-Software-Based-Identifier-Source-Group | | choice | 1 | 0600 | proprietary-software-based-identifier-source |
| Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |

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| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group If Copyright type equal 'N' then element is blank else element is non-blank | | choice | 0:1 | 0600 | copyright-owner-identification |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Copyright-Date-Time-Group If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | | group | 0:1 | 0600 | copyright-date-time |
| __Date | | field | 1 | 0082 | document-copyright-date |
| __Time | | field | 0:1 | 0160 | document-copyright-time |
| __Distribution-Information-Group | | group | 1 | 0600 | distribution-information |
| __Distribution-Statement-Code-Group | | group | 1 | 0600 | distribution-statement-code |
| __Distribution-Statement-Code | | field | 1 | 0014 | document-distribution-statement-code |
| __Distribution-Statement-Reason-Code | | field | 1:N | 0015 | document-distribution-statement-reason-code |
| __Distribution-Statement-Information-Group If Distribution statement code equal "A" and the Distribution statement reason code equal "00" then the Distribution statement information group is blank else the Distribution statement information group is non-blank | | group | 0:1 | 0600 | distribution-statement-information |
| __Distribution-Statement-Determination-Date-Time-Group | | group | 1 | 0600 | distribution-statement-date-time |
| __Date | | field | 1 | 0082 | document-distribution-restriction-determination-date |
| __Time | | field | 0:1 | 0160 | document-distribution-restriction-determination-time |
| __Distribution-Controlling-Office-Group | | group | 1 | 0600 | distribution-controlling-office |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Sheets-Group | | group | 2:N | 0600 | sheets |
| __Sheet-Number | | field | 1 | 0026 | document-sheet-identifier |
| __Drawing-Size | | field | 0:1 | 0112 | document-sheet-size-code |
| __Sheet-Revision-Group | | choice | 1 | 0600 | sheet-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Document-Representation-Group | | group | 1:N | 0600 | document-representation |
| __Document-Representation-Originator-Group | | choice | 1 | 0600 | document-representation-originator |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Group | | choice | 1 | 0600 | document-representation-custodian |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Office-Name | | field | 1 | 0044 | document-custodial-enterprise-office-name |
| __Document-Representation-Version-Group | | group | 1 | 0600 | document-representation-version |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Version-Identification-Group | | field | 1 | 0600 | version-identification |
| __Version-Date-Time-Group | | group | 1 | 0600 | version-date-time |
| __Date | | field | 1 | 0082 | document-representation-creation-date |
| __Time | | field | 0:1 | 0160 | document-representation-creation-time |
| __Alphanumeric-Version-Identifier | | field | 1 | 0208 | document-representation-version-identifier |
| __Version-Status-Group | | group | 1 | 0600 | version-status |
| __Version-Status-Code | | field | 1 | 0021 | document-representation-release-process-disposition-status-code |
| __Version-Status-Date-Time-Group | | group | 1 | 0600 | version-status-date-time |
| __Date | | field | 1 | 0082 | document-representation-release-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-representation-release-process-disposition-status-time |
| __Document-Representation-Medium-Code | | field | 1 | 0326 | document-representation-medium-identification-code |
| __Document-Representation-Medium-Group | | choice | 1 | 0600 | representation-medium |
| __Digital-Representation-Group | | group | 0:1 | 0600 | digital-document-representation-information |
| If Document representation medium code = 'D' then Digital representation group is non-blank else Digital representation group is blank | | | | | |
| __Digital-Representation-Target-Environment-Type-Code | | field | 1 | 0210 | document-file-type-code |
| __Target-Environment-Group | | choice | 0:1 | 0600 | target-environment |
| __Standards-Based-Group | | group | 0:1 | 0600 | standards-based |
| If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | | |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| Standards-Based-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| Standards-Based-Document-Revision-Group | | choice | 1 | 0600 | standards-based-document-revision |
| Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| Date | | field | 1 | 0082 | document-revision-generic-date |
| Time | | field | 0:1 | 0160 | document-revision-generic-time |
| Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| Proprietary-Software-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | proprietary-software-based |
| Proprietary-Software-Based-Identifier-Source-Group | | choice | 1 | 0600 | proprietary-software-based-identifier-source |
| Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| Company-Name | | field | 0:1 | 0170 | enterprise-name |
| Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| Proprietary-Software-Based-Identifier | | field | 1 | 0024 | product-identifier |
| File-Identification-Group | | group | 1:N | 0600 | file-identification |
| File-Identifier | | field | 1 | 0206 | electronic-document-file-identifier |
| File-Identifier-Source-Group | | choice | 0:1 | 0600 | file-identifier-source |
| Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |

[illegible]

[illegible]

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Data-Rights-Contract-Number | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Data-Rights-Contract-Date-Time-Group | | group | 1 | 0600 | contact-data-rights-date-time |
| __Date | | field | 1 | 0082 | contract-date |
| __Time | | field | 0:1 | 0160 | contract-time |
| __File-Information-Group | | choice | 1 | 0600 | File-information |
| __Imbedded-File-Information-Group | | group | 0:1 | 0600 | imbedded-file-information |
| | Imbedded file information group contains the hexa-decimal representation of the file. | | | | |
| __File-Size-In-Bytes | | field | 1 | 0601 | file-size-in-bytes |
| __File | | field | 1 | 0601 | file |
| __Computer-Operating-System-Type-Code | | field | 0:1 | 0213 | computer-operating-system-asset-type-code |
| __CITIS-Access-Information-Group | | group | 0:1 | 0600 | contractor-integrated-technical-information-service-information |
| __Non-Digital-Representation-Group | | group | 0:1 | 0600 | non-digital-representation-information |
| | If Document representation medium identification not equal "D" then Non digital Document representation information group is non-blank else Non digital Document representation information group is blank | | | | |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| Data Information Packet Name: Technical-Manual | | | | | |
| __Base-Document-Identification-Group | | group | 1:N | 0600 | base-document-identification |
| __Document-Identifier-Source-Group | | choice | 1 | 0600 | document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Document-Revision-Group | | group | 1 | 0600 | document-revision |
| __Revision-Identification-Group | | choice | 1 | 0600 | revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Revision-Status-Group | | group | 1 | 0600 | document-revision-status |
| __Revision-Status-Code | | field | 1 | 0021 | document-revision-approval-process-disposition-status-code |
| __Revision-Status-Date-Time-Group | | group | 1 | 0600 | document-revision-status-date-time |
| __Date | | field | 1 | 0082 | document-revision-approval-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-revision-approval-process-disposition-status-time |
| __Document-Title | | field | 1 | 0008 | document-name |
| __Document-Preparation-Date-Time-Group | | group | 0:1 | 0600 | document-preparation-date-time |
| __Date | | field | 1 | 0082 | document-preparation-date |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|--|--------------|-------------|------|---|
| __Time | | field | 0:1 | 0160 | document-preparation-time |
| __Technical-Manual-Iteration-Type-Code | | field | 1 | 0196 | technical-manual-document-iteration-type-code |
| __Special-Condition-Code | | field | 0:N | 0257 | engineering-document-special-condition-code |
| __Hazardous-Material-Code | | field | 0:1 | 0078 | supply-item-hazardous-material-code |
| __Document-Compliance-Indicator-Group | | group | 1 | 0600 | document-compliance-indicator |
| __Document-Compliance-Indicator-Code | | field | 1 | 0143 | document-format-compliance-indicator-code |
| __DoD-Component-Identifier-Code | | field | 0:1 | 0002 | united-states-defense-component-enterprise-acronym-identification-code |
| | If 'Document compliance indicator code' = 'D', then element must be non-blank. | | | | |
| __Navy-Command-Identifier-Code | | field | 0:1 | 0002 | enterprise-acronym-identification-code |
| | If 'DoD-Component-Identifier-Code' = 'USN', then element must be non-blank. | | | | |
| __CDCA-Group | | group | 1 | 0600 | current-document-change-authority |
| __CDCA-Identification-Group | | group | 1 | 0600 | current-document-change-authority-identification |
| __CDCA-Identifier-Group | | choice | 1 | 0600 | current-document-change-authority-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __CDCA-Office-Name | | field | 0:1 | 0044 | current-document-design-control-enterprise-office-name |
| __CDCA-Effective-Date-Time-Group | | group | 0:1 | 0600 | current-document-change-authority-effective-date-time |
| __Date | | field | 1 | 0082 | document-change-control-authority-effective-date |
| __Time | | field | 0:1 | 0160 | document-change-control-authority-effective-time |
| __Maintained-Part-Identification-Group | | group | 0:N | 0600 | maintained-part-identification |
| __Part-Identifier-Source-Group | | choice | 1 | 0600 | product-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|-----------------------------|--------------|-------------|------|---|
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Part-Identifier-Group | | group | 1 | 0600 | part-identifier |
| __Part-Number | | field | 1 | 0024 | product-identifier |
| __Part-Parameters-Group | | group | 0:N | 0600 | part-parameters |
| __Part-Classification-Code | | field | 1 | 0036 | part-classification-type-code |
| __Part-Classification-Value | | field | 1 | 0037 | part-classification-type-value |
| __Related-Document-Group | | group | 0:N | 0600 | related-document |
| __Related-Document-Relationship-Type | | field | 1 | 0048 | relationship-type |
| | Must be either 'RD' or 'IA' | | | | |
| __Related-Document-Identifier-Source-Group | | choice | 1 | 0600 | related-document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Related-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Related-Document-Revision-Identification-Group | | choice | 0:1 | 0600 | related-document-revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Security-Protection-Group | | group | 1 | 0600 | security-protection |
| __Government-Security-Classification-Group | | group | 1 | 0600 | government-security-classification |
| __Government-Security-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Classification-Information-Group | | group | 0:1 | 0600 | classification-information |
| If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non- blank | | | | | |
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |
| __Downgrade-Information-Group | | group | 0:1 | 0600 | downgrade-information |
| If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | | | | | |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |
| __Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __Date | | field | 1 | 0082 | document-security-declassification-date |
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group | | choice | 0:1 | 0600 | copyright-owner-identification |
| If Copyright type equal 'N' then element is blank else element is non-blank | | | | | |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Copyright-Date-Time-Group | | group | 0:1 | 0600 | copyright-date-time |
| | If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | | | | |
| __Date | | field | 1 | 0082 | document-copyright-date |
| __Time | | field | 0:1 | 0160 | document-copyright-time |
| __Distribution-Information-Group | | group | 1 | 0600 | distribution-information |
| __Distribution-Statement-Code-Group | | group | 1 | 0600 | distribution-statement-code |
| __Distribution-Statement-Code | | field | 1 | 0014 | document-distribution-statement-code |
| __Distribution-Statement-Reason-Code | | field | 1:N | 0015 | document-distribution-statement-reason-code |
| __Distribution-Statement-Information-Group | | group | 0:1 | 0600 | distribution-statement-information |
| | If Distribution statement code equal "A" and the Distribution statement reason code equal "00" then the Distribution statement information group is blank else the Distribution statement information group is non-blank | | | | |
| __Distribution-Statement-Determination-Date-Time-Group | | group | 1 | 0600 | distribution-statement-date-time |
| __Date | | field | 1 | 0082 | document-distribution-restriction-determination-date |
| __Time | | field | 0:1 | 0160 | document-distribution-restriction-determination-time |
| __Distribution-Controlling-Office-Group | | group | 1 | 0600 | distribution-controlling-office |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Distribution-Controlling-Office-Name | | field | 0:1 | 0044 | document-distribution-controller-enterprise-office-name |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---|--------------|-------------|------|---|
| __Export-Control-Restriction-Code | | field | 1 | 0079 | document-export-control-code |
| | If distribution-statement-code equals 'A' then element must be 'N'; If distribution-statement-code equals 'X' then element must be 'Y'. | | | | |
| __Data-Rights-Information-Group | | group | 1 | 0600 | data-rights-information |
| __Government-Rights-In-Technical-Data-Code | | field | 1 | 0022 | technical-document-government-data-rights-code |
| __Company-Proprietary-Rights-Code | | field | 1 | 0084 | document-company-proprietary-data-rights-code |
| | If the Government Rights in Technical Data code equal 'U' then the element is either 'N' or 'S' else the element is 'P'. | | | | |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| | If the Government rights in Technical Data code equal "U" and the Company Proprietary rights code equal "N" then the Company name is blank else the Company name is non-blank | | | | |
| __Contract-Authorizing-Government-Rights-Group | | group | 0:1 | 0600 | contract-identifier-information-authorizing-government-rights |
| | If the Government rights in Technical Data code equal 'U' or 'N' then the element is blank else the element is non-blank. | | | | |
| __Data-Rights-Contract-Number | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Data-Rights-Contract-Date-Time-Group | | group | 1 | 0600 | contact-data-rights-date-time |
| __Date | | field | 1 | 0082 | contract-date |
| __Time | | field | 0:1 | 0160 | contract-time |
| __Sheet-Management-Group | | choice | 1 | 0600 | sheet-management |
| __Non-Sheet-Managed-Document-Group | | group | 0:1 | 0600 | non-sheet-managed-document |
| __Document-Representation-Group | | group | 1:N | 0600 | document-representation |
| __Document-Representation-Originator-Group | | choice | 1 | 0600 | document-representation-originator |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Group | | choice | 1 | 0600 | document-representation-custodian |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Office-Name | | field | 1 | 0044 | document-custodial-enterprise-office-name |
| __Document-Representation-Version-Group | | group | 1 | 0600 | document-representation-version |
| __Version-Identification-Group | | field | 1 | 0600 | version-identification |
| __Version-Date-Time-Group | | group | 1 | 0600 | version-date-time |
| __Date | | field | 1 | 0082 | document-representation-creation-date |
| __Time | | field | 0:1 | 0160 | document-representation-creation-time |
| __Alphanumeric-Version-Identifier | | field | 1 | 0208 | document-representation-version-identifier |
| __Version-Status-Group | | group | 1 | 0600 | version-status |
| __Version-Status-Code | | field | 1 | 0021 | document-representation-release-process-disposition-status-code |
| __Version-Status-Date-Time-Group | | group | 1 | 0600 | version-status-date-time |
| __Date | | field | 1 | 0082 | document-representation-release-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-representation-release-process-disposition-status-time |
| __Document-Representation-Medium-Code | | field | 1 | 0326 | document-representation-medium-identification-code |
| __Document-Representation-Medium-Group | | choice | 1 | 0600 | representation-medium |
| __Digital-Representation-Group | | group | 0:1 | 0600 | digital-document-representation-information |
| If Document representation medium code = 'D' then Digital representation group is non-blank else Digital representation group is blank | | | | | |
| __Digital-Representation-Target-Environment-Type-Code | | field | 1 | 0210 | document-file-type-code |
| __Target-Environment-Group | | choice | 0:1 | 0600 | target-environment |
| __Standards-Based-Group | | group | 0:1 | 0600 | standards-based |
| If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | | |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---|--------------|-------------|------|---|
| __Security-Protection-Group | | group | 1 | 0600 | security-protection |
| __Government-Security-Classification-Group | | group | 1 | 0600 | government-security-classification |
| __Government-Security-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Classification-Information-Group | | group | 0:1 | 0600 | classification-information |
| | If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non- blank | | | | |
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |
| __Downgrade-Information-Group | | group | 0:1 | 0600 | downgrade-information |
| | If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | | | | |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |
| __Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __Date | | field | 1 | 0082 | document-security-declassification-date |
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group | | choice | 0:1 | 0600 | copyright-owner-identification |
| | If Copyright type equal 'N' then element is blank else element is non-blank | | | | |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Copyright-Date-Time-Group | If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | group | 0:1 | 0600 | copyright-date-time |
| __Date | | field | 1 | 0082 | document-copyright-date |
| __Time | | field | 0:1 | 0160 | document-copyright-time |
| __Distribution-Information-Group | | group | 1 | 0600 | distribution-information |
| __Distribution-Statement-Code-Group | | group | 1 | 0600 | distribution-statement-code |
| __Distribution-Statement-Code | | field | 1 | 0014 | document-distribution-statement-code |
| __Distribution-Statement-Reason-Code | | field | 1:N | 0015 | document-distribution-statement-reason-code |
| __Distribution-Statement-Information-Group | If Distribution statement code equal "A" and the Distribution statement reason code equal "00" then the Distribution statement information group is blank else the Distribution statement information group is non-blank | group | 0:1 | 0600 | distribution-statement-information |
| __Distribution-Statement-Determination-Date-Time-Group | | group | 1 | 0600 | distribution-statement-date-time |
| __Date | | field | 1 | 0082 | document-distribution-restriction-determination-date |
| __Time | | field | 0:1 | 0160 | document-distribution-restriction-determination-time |
| __Distribution-Controlling-Office-Group | | group | 1 | 0600 | distribution-controlling-office |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Distribution-Controlling-Office-Name | | field | 0:1 | 0044 | document-distribution-controller-enterprise-office-name |
| __Export-Control-Restriction-Code | If distribution-statement-code equals 'A' then element must be 'N'; If distribution-statement-code equals 'X' then element must be 'Y'. | field | 1 | 0079 | document-export-control-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Data-Rights-Information-Group | | group | 1 | 0600 | data-rights-information |
| __Government-Rights-In-Technical-Data-Code | | field | 1 | 0022 | technical-document-government-data-rights-code |
| __Company-Proprietary-Rights-Code | If the Government Rights in Technical Data code equal 'U' then the element is either 'N' or 'S' else the element is 'P'. | field | 1 | 0084 | document-company-proprietary-data-rights-code |
| __Company-Name | If the Government rights in Technical Data code equal "U" and the Company Proprietary rights code equal "N" then the Company name is blank else the Company name is non-blank | field | 0:1 | 0170 | enterprise-name |
| __Contract-Authorizing-Government-Rights-Group | If the Government rights in Technical Data code equal 'U' or 'N' then the element is blank else the element is non-blank. | group | 0:1 | 0600 | contract-identifier-information-authorizing-government-rights |
| __Data-Rights-Contract-Number | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Data-Rights-Contract-Date-Time-Group | | group | 1 | 0600 | contact-data-rights-date-time |
| __Date | | field | 1 | 0082 | contract-date |
| __Time | | field | 0:1 | 0160 | contract-time |
| __File-Information-Group | | choice | 1 | 0600 | File-information |
| __Imbedded-File-Information-Group | Imbedded file information group contains the hexa-decimal representation of the file. | group | 0:1 | 0600 | imbedded-file-information |
| __File-Size-In-Bytes | | field | 1 | 0601 | file-size-in-bytes |
| __File | | field | 1 | 0601 | file |
| __Computer-Operating-System-Type-Code | | field | 0:1 | 0213 | computer-operating-system-asset-type-code |
| __CITIS-Access-Information-Group | | group | 0:1 | 0600 | contractor-integrated-technical-information-service-information |
| __Non-Digital-Representation-Group | If Document representation medium identification not equal "D" then Non digital Document representation information group is non-blank else Non digital Document representation information group is blank | group | 0:1 | 0600 | non-digital-representation-information |
| __Sheet-Managed-Document-Group | | choice | 0:1 | 0600 | sheet-managed-document |
| __Single-Sheet-Group | | group | 0:1 | 0600 | single-sheet |
| __Drawing-Size | | field | 0:1 | 0112 | document-sheet-size-code |
| __Document-Representation-Group | | group | 1:N | 0600 | document-representation |
| __Document-Representation-Originator-Group | | choice | 1 | 0600 | document-representation-originator |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--------------|---|--------------|-------------|------|---|
| | __Human-Personal-Identifier | field | 1 | 0069 | human-personal-identifier |
| | __Enterprise-Identification-Group | choice | 1 | 0600 | enterprise-identifier |
| | __Company-Name | field | 0:1 | 0170 | enterprise-name |
| | __Enterprise-Identifier-Code-Group | group | 0:1 | 0600 | enterprise-identifier-code |
| | __Identifier-Code-List-Source-Certifier | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| | __Identifier-Code-List-Identifier-Code | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| | __Identifier-Code | field | 1 | 0329 | enterprise-identifier-code |
| | __Document-Representation-Custodian-Group | choice | 1 | 0600 | document-representation-custodian |
| | __Company-Name | field | 0:1 | 0170 | enterprise-name |
| | __Enterprise-Identifier-Code-Group | group | 0:1 | 0600 | enterprise-identifier-code |
| | __Identifier-Code-List-Source-Certifier | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| | __Identifier-Code-List-Identifier-Code | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| | __Identifier-Code | field | 1 | 0329 | enterprise-identifier-code |
| | __Document-Representation-Custodian-Office-Name | field | 1 | 0044 | document-custodial-enterprise-office-name |
| | __Document-Representation-Version-Group | group | 1 | 0600 | document-representation-version |
| | __Version-Identification-Group | field | 1 | 0600 | version-identification |
| | __Version-Date-Time-Group | group | 1 | 0600 | version-date-time |
| | __Date | field | 1 | 0082 | document-representation-creation-date |
| | __Time | field | 0:1 | 0160 | document-representation-creation-time |
| | __Alphanumeric-Version-Identifier | field | 1 | 0208 | document-representation-version-identifier |
| | __Version-Status-Group | group | 1 | 0600 | version-status |
| | __Version-Status-Code | field | 1 | 0021 | document-representation-release-process-disposition-status-code |
| | __Version-Status-Date-Time-Group | group | 1 | 0600 | version-status-date-time |
| | __Date | field | 1 | 0082 | document-representation-release-process-disposition-status-date |
| | __Time | field | 0:1 | 0160 | document-representation-release-process-disposition-status-time |
| | __Document-Representation-Medium-Code | field | 1 | 0326 | document-representation-medium-identification-code |
| | __Document-Representation-Medium-Group | choice | 1 | 0600 | representation-medium |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|--|--------------|-------------|------|---|
| __Digital-Representation-Group | | group | 0:1 | 0600 | digital-document-representation-information |
| | If Document representation medium code = 'D' then Digital representation group is non-blank else Digital representation group is blank | | | | |
| __Digital-Representation-Target-Environment-Type-Code | | field | 1 | 0210 | document-file-type-code |
| __Target-Environment-Group | | choice | 0:1 | 0600 | target-environment |
| __Standards-Based-Group | | group | 0:1 | 0600 | standards-based |
| | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Standards-Based-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Standards-Based-Document-Revision-Group | | choice | 1 | 0600 | standards-based-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Proprietary-Software-Based-Group | | group | 0:1 | 0600 | proprietary-software-based |
| | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | |
| __Proprietary-Software-Based-Identifier-Source-Group | | choice | 1 | 0600 | proprietary-software-based-identifier-source |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--------------|---|--------------|-------------|------|---|
| | __Human-Personal-Identifier-Group | group | 0:1 | 0600 | human-personal-identifier |
| | __Human-Personal-Identifier-Source | field | 1 | 0044 | human-personal-identifier-source-identifier |
| | __Human-Personal-Identifier | field | 1 | 0069 | human-personal-identifier |
| | __Enterprise-Identification-Group | choice | 1 | 0600 | enterprise-identifier |
| | __Company-Name | field | 0:1 | 0170 | enterprise-name |
| | __Enterprise-Identifier-Code-Group | group | 0:1 | 0600 | enterprise-identifier-code |
| | __Identifier-Code-List-Source-Certifier | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| | __Identifier-Code-List-Identifier-Code | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| | __Identifier-Code | field | 1 | 0329 | enterprise-identifier-code |
| | __Proprietary-Software-Based-Identifier | field | 1 | 0024 | product-identifier |
| | __File-Identification-Group | group | 1:N | 0600 | file-identification |
| | __File-Identifier | field | 1 | 0206 | electronic-document-file-identifier |
| | __File-Identifier-Source-Group | choice | 0:1 | 0600 | file-identifier-source |
| | __Human-Personal-Identifier-Group | group | 0:1 | 0600 | human-personal-identifier |
| | __Human-Personal-Identifier-Source | field | 1 | 0044 | human-personal-identifier-source-identifier |
| | __Human-Personal-Identifier | field | 1 | 0069 | human-personal-identifier |
| | __Enterprise-Identification-Group | choice | 1 | 0600 | enterprise-identifier |
| | __Company-Name | field | 0:1 | 0170 | enterprise-name |
| | __Enterprise-Identifier-Code-Group | group | 0:1 | 0600 | enterprise-identifier-code |
| | __Identifier-Code-List-Source-Certifier | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| | __Identifier-Code-List-Identifier-Code | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| | __Identifier-Code | field | 1 | 0329 | enterprise-identifier-code |
| | __File-Origination-Date-Time-Group | group | 1 | 0600 | File-origination-date-time |
| | __Date | field | 1 | 0082 | electronic-document-file-creation-date |
| | __Time | field | 1 | 0160 | electronic-document-file-creation-time |
| | __File-Description | field | 0:1 | 0212 | document-file-description-text |
| | __File-Compression-Method-Code | field | 0:1 | 0214 | document-file-compression-method-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|--|--------------|-------------|------|---|
| _File-Type-Group | | group | 1 | 0600 | file-type |
| _File-Type-Code | | field | 1 | 0210 | document-file-type-code |
| _File-Type-Information-Group | | choice | 0:1 | 0600 | file-type-information |
| _Standards-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | standards-based |
| _Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| _Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| _Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| _Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| _Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| _Company-Name | | field | 0:1 | 0170 | enterprise-name |
| _Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| _Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| _Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| _Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| _Standards-Based-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| _Standards-Based-Document-Revision-Group | | choice | 1 | 0600 | standards-based-document-revision |
| _Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| _Date | | field | 1 | 0082 | document-revision-generic-date |
| _Time | | field | 0:1 | 0160 | document-revision-generic-time |
| _Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| _Proprietary-Software-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | proprietary-software-based |
| _Proprietary-Software-Based-Identifier-Source-Group | | choice | 1 | 0600 | proprietary-software-based-identifier-source |
| _Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |

[illegible]

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Date | | field | 1 | 0082 | document-security-declassification-date |
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group | | choice | 0:1 | 0600 | copyright-owner-identification |
| | If Copyright type equal 'N' then element is blank else element is non-blank | | | | |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Copyright-Date-Time-Group | | group | 0:1 | 0600 | copyright-date-time |
| | If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | | | | |
| __Date | | field | 1 | 0082 | document-copyright-date |
| __Time | | field | 0:1 | 0160 | document-copyright-time |
| __Distribution-Information-Group | | group | 1 | 0600 | distribution-information |
| __Distribution-Statement-Code-Group | | group | 1 | 0600 | distribution-statement-code |
| __Distribution-Statement-Code | | field | 1 | 0014 | document-distribution-statement-code |
| __Distribution-Statement-Reason-Code | | field | 1:N | 0015 | document-distribution-statement-reason-code |
| __Distribution-Statement-Information-Group | | group | 0:1 | 0600 | distribution-statement-information |
| | If Distribution statement code equal "A" and the Distribution statement reason code equal "00" then the Distribution statement information group is blank else the Distribution statement information group is non-blank | | | | |
| __Distribution-Statement-Determination-Date-Time-Group | | group | 1 | 0600 | distribution-statement-date-time |
| __Date | | field | 1 | 0082 | document-distribution-restriction-determination-date |
| __Time | | field | 0:1 | 0160 | document-distribution-restriction-determination-time |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---|--------------|-------------|------|---|
| __Distribution-Controlling-Office-Group | | group | 1 | 0600 | distribution-controlling-office |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Distribution-Controlling-Office-Name | | field | 0:1 | 0044 | document-distribution-controller-enterprise-office-name |
| __Export-Control-Restriction-Code | If distribution-statement-code equals 'A' then element must be 'N'; If distribution-statement-code equals 'X' then element must be 'Y'. | field | 1 | 0079 | document-export-control-code |
| __Data-Rights-Information-Group | | group | 1 | 0600 | data-rights-information |
| __Government-Rights-In-Technical-Data-Code | | field | 1 | 0022 | technical-document-government-data-rights-code |
| __Company-Proprietary-Rights-Code | If the Government Rights in Technical Data code equal 'U' then the element is either 'N' or 'S' else the element is 'P'. | field | 1 | 0084 | document-company-proprietary-data-rights-code |
| __Company-Name | If the Government rights in Technical Data code equal "U" and the Company Proprietary rights code equal "N" then the Company name is blank else the Company name is non-blank | field | 0:1 | 0170 | enterprise-name |
| __Contract-Authorizing-Government-Rights-Group | If the Government rights in Technical Data code equal 'U' or 'N' then the element is blank else the element is non-blank. | group | 0:1 | 0600 | contract-identifier-information-authorizing-government-rights |
| __Data-Rights-Contract-Number | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Data-Rights-Contract-Date-Time-Group | | group | 1 | 0600 | contact-data-rights-date-time |
| __Date | | field | 1 | 0082 | contract-date |
| __Time | | field | 0:1 | 0160 | contract-time |
| __File-Information-Group | | choice | 1 | 0600 | File-information |
| __Imbedded-File-Information-Group | Imbedded file information group contains the hexa-decimal representation of the file. | group | 0:1 | 0600 | imbedded-file-information |
| __File-Size-In-Bytes | | field | 1 | 0601 | file-size-in-bytes |
| __File | | field | 1 | 0601 | file |
| __Computer-Operating-System-Type-Code | | field | 0:1 | 0213 | computer-operating-system-asset-type-code |
| __CITIS-Access-Information-Group | | group | 0:1 | 0600 | contractor-integrated-technical-information-service-information |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Non-Digital-Representation-Group | If Document representation medium identification not equal "D" then Non digital Document representation information group is non-blank else Non digital Document representation information group is blank | group | 0:1 | 0600 | non-digital-representation-information |
| __Multi-Sheet-Group | | group | 0:1 | 0600 | multi-sheet |
| __Total-Sheets | | field | 1 | 0110 | document-sheet-total-quantity |
| __Sheets-Group | | group | 2:N | 0600 | sheets |
| __Sheet-Number | | field | 1 | 0026 | document-sheet-identifier |
| __Drawing-Size | | field | 0:1 | 0112 | document-sheet-size-code |
| __Sheet-Revision-Group | | choice | 1 | 0600 | sheet-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Document-Representation-Group | | group | 1:N | 0600 | document-representation |
| __Document-Representation-Originator-Group | | choice | 1 | 0600 | document-representation-originator |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Group | | choice | 1 | 0600 | document-representation-custodian |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |

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| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|--|---------------------|--------------------|------------|---|
| __File-Identifier-Source-Group | | choice | 0:1 | 0600 | file-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __File-Origination-Date-Time-Group | | group | 1 | 0600 | File-origination-date-time |
| __Date | | field | 1 | 0082 | electronic-document-file-creation-date |
| __Time | | field | 1 | 0160 | electronic-document-file-creation-time |
| __File-Description | | field | 0:1 | 0212 | document-file-description-text |
| __File-Compression-Method-Code | | field | 0:1 | 0214 | document-file-compression-method-code |
| __File-Type-Group | | group | 1 | 0600 | file-type |
| __File-Type-Code | | field | 1 | 0210 | document-file-type-code |
| __File-Type-Information-Group | | choice | 0:1 | 0600 | file-type-information |
| __Standards-Based-Group | | group | 0:1 | 0600 | standards-based |
| | <div>If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank.</div> | | | | |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---|--------------|-------------|------|---|
| __Classification-Information-Group | If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non- blank | group | 0:1 | 0600 | classification-information |
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |
| __Downgrade-Information-Group | If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | group | 0:1 | 0600 | downgrade-information |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |
| __Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __Date | | field | 1 | 0082 | document-security-declassification-date |
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group | If Copyright type equal 'N' then element is blank else element is non-blank | choice | 0:1 | 0600 | copyright-owner-identification |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |

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| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Company-Proprietary-Rights-Code | If the Government Rights in Technical Data code equal 'U' then the element is either 'N' or 'S' else the element is 'P'. | field | 1 | 0084 | document-company-proprietary-data-rights-code |
| __Company-Name | If the Government rights in Technical Data code equal "U" and the Company Proprietary rights code equal "N" then the Company name is blank else the Company name is non-blank | field | 0:1 | 0170 | enterprise-name |
| __Contract-Authorizing-Government-Rights-Group | If the Government rights in Technical Data code equal 'U' or 'N' then the element is blank else the element is non-blank. | group | 0:1 | 0600 | contract-identifier-information-authorizing-government-rights |
| __Data-Rights-Contract-Number | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Data-Rights-Contract-Date-Time-Group | | group | 1 | 0600 | contact-data-rights-date-time |
| __Date | | field | 1 | 0082 | contract-date |
| __Time | | field | 0:1 | 0160 | contract-time |
| __File-Information-Group | | choice | 1 | 0600 | File-information |
| __Imbedded-File-Information-Group | Imbedded file information group contains the hexa-decimal representation of the file. | group | 0:1 | 0600 | imbedded-file-information |
| __File-Size-In-Bytes | | field | 1 | 0601 | file-size-in-bytes |
| __File | | field | 1 | 0601 | file |
| __Computer-Operating-System-Type-Code | | field | 0:1 | 0213 | computer-operating-system-asset-type-code |
| __CITIS-Access-Information-Group | | group | 0:1 | 0600 | contractor-integrated-technical-information-service-information |
| __Non-Digital-Representation-Group | If Document representation medium identification not equal "D" then Non digital Document representation information group is non-blank else Non digital Document representation information group is blank | group | 0:1 | 0600 | non-digital-representation-information |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| Data Information Packet Name: Document-Supplement | | | | | |
| __Base-Document-Identification-Group | | group | 1:N | 0600 | base-document-identification |
| __Document-Identifier-Source-Group | | choice | 1 | 0600 | document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Document-Revision-Group | | group | 1 | 0600 | document-revision |
| __Revision-Identification-Group | | choice | 1 | 0600 | revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Revision-Status-Group | | group | 1 | 0600 | document-revision-status |
| __Revision-Status-Code | | field | 1 | 0021 | document-revision-approval-process-disposition-status-code |
| __Revision-Status-Date-Time-Group | | group | 1 | 0600 | document-revision-status-date-time |
| __Date | | field | 1 | 0082 | document-revision-approval-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-revision-approval-process-disposition-status-time |
| __Supplement-Document-Type-Code | | field | 1 | 0162 | supplement-document-type-code |
| __Document-Title | | field | 1 | 0008 | document-name |
| __Document-Preparation-Date-Time-Group | | group | 0:1 | 0600 | document-preparation-date-time |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Date | | field | 1 | 0082 | document-preparation-date |
| __Time | | field | 0:1 | 0160 | document-preparation-time |
| __Special-Condition-Code | | field | 0:N | 0257 | engineering-document-special-condition-code |
| __Hazardous-Material-Code | | field | 0:1 | 0078 | supply-item-hazardous-material-code |
| __CDCA-Group | | group | 1 | 0600 | current-document-change-authority |
| __CDCA-Identification-Group | | group | 1 | 0600 | current-document-change-authority-identification |
| __CDCA-Identifier-Group | | choice | 1 | 0600 | current-document-change-authority-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __CDCA-Office-Name | | field | 0:1 | 0044 | current-document-design-control-enterprise-office-name |
| __CDCA-Effective-Date-Time-Group | | group | 0:1 | 0600 | current-document-change-authority-effective-date-time |
| __Date | | field | 1 | 0082 | document-change-control-authority-effective-date |
| __Time | | field | 0:1 | 0160 | document-change-control-authority-effective-time |
| __Supplemented-Document-Identification-Group | | group | 1 | 0600 | supplemented-document-identification |
| __Supplemented-Document-Source-Identification-Group | | choice | 1 | 0600 | supplemented-document-source-identification |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---|--------------|-------------|------|---|
| __Supplemented-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Supplemented-Document-Revision-Group | | choice | 0:1 | 0600 | supplemented-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Part-Defined-Group | | group | 0:N | 0600 | part-defined |
| | If supplement document type code equal 'Spec Sup', then part defined group may be non-blank, else part defined group must be blank. | | | | |
| __Part-Identifier-Source-Group | | choice | 1 | 0600 | product-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Part-Identifier-Group | | group | 1 | 0600 | part-identifier |
| __Part-Number | | field | 1 | 0024 | product-identifier |
| __Part-Parameters-Group | | group | 0:N | 0600 | part-parameters |
| __Part-Classification-Code | | field | 1 | 0036 | part-classification-type-code |
| __Part-Classification-Value | | field | 1 | 0037 | part-classification-type-value |
| __Related-Document-Group | | group | 0:N | 0600 | related-document |
| __Related-Document-Relationship-Type | | field | 1 | 0048 | relationship-type |
| | Must be either 'RD' or 'IA' | | | | |
| __Related-Document-Identifier-Source-Group | | choice | 1 | 0600 | related-document-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Related-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Related-Document-Revision-Identification-Group | | choice | 0:1 | 0600 | related-document-revision-identification |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __ECP-Authorizing-This-Revision-Group | | group | 0:N | 0600 | engineering-change-proposal-authorizing-this-revision |
| __ECP-Identifier-Source-Group | | choice | 1 | 0600 | engineering-change-proposal-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __ECP-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __ECP-Revision-Identification-Group | | choice | 0:1 | 0600 | engineering-change-proposal-revision-identification |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Security-Protection-Group | | group | 1 | 0600 | security-protection |
| __Government-Security-Classification-Group | | group | 1 | 0600 | government-security-classification |
| __Government-Security-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Classification-Information-Group | | group | 0:1 | 0600 | classification-information |
| If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non- blank | | | | | |
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |
| __Downgrade-Information-Group | | group | 0:1 | 0600 | downgrade-information |
| If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | | | | | |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |
| __Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __Date | | field | 1 | 0082 | document-security-declassification-date |
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Copyright-Owner-Identification-Group | | choice | 0:1 | 0600 | copyright-owner-identification |
| | If Copyright type equal 'N' then element is blank else element is non-blank | | | | |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Copyright-Date-Time-Group | | group | 0:1 | 0600 | copyright-date-time |
| | If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | | | | |
| __Date | | field | 1 | 0082 | document-copyright-date |
| __Time | | field | 0:1 | 0160 | document-copyright-time |
| __Distribution-Information-Group | | group | 1 | 0600 | distribution-information |
| __Distribution-Statement-Code-Group | | group | 1 | 0600 | distribution-statement-code |
| __Distribution-Statement-Code | | field | 1 | 0014 | document-distribution-statement-code |
| __Distribution-Statement-Reason-Code | | field | 1:N | 0015 | document-distribution-statement-reason-code |
| __Distribution-Statement-Information-Group | | group | 0:1 | 0600 | distribution-statement-information |
| | If Distribution statement code equal "A" and the Distribution statement reason code equal "00" then the Distribution statement information group is blank else the Distribution statement information group is non-blank | | | | |
| __Distribution-Statement-Determination-Date-Time-Group | | group | 1 | 0600 | distribution-statement-date-time |
| __Date | | field | 1 | 0082 | document-distribution-restriction-determination-date |
| __Time | | field | 0:1 | 0160 | document-distribution-restriction-determination-time |
| __Distribution-Controlling-Office-Group | | group | 1 | 0600 | distribution-controlling-office |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---|--------------|-------------|------|---|
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Distribution-Controlling-Office-Name | | field | 0:1 | 0044 | document-distribution-controller-enterprise-office-name |
| __Export-Control-Restriction-Code | | field | 1 | 0079 | document-export-control-code |
| | If distribution-statement-code equals 'A' then element must be 'N'; If distribution-statement-code equals 'X' then element must be 'Y'. | | | | |
| __Data-Rights-Information-Group | | group | 1 | 0600 | data-rights-information |
| __Government-Rights-In-Technical-Data-Code | | field | 1 | 0022 | technical-document-government-data-rights-code |
| __Company-Proprietary-Rights-Code | | field | 1 | 0084 | document-company-proprietary-data-rights-code |
| | If the Government Rights in Technical Data code equal 'U' then the element is either 'N' or 'S' else the element is 'P'. | | | | |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| | If the Government rights in Technical Data code equal "U" and the Company Proprietary rights code equal "N" then the Company name is blank else the Company name is non-blank | | | | |
| __Contract-Authorizing-Government-Rights-Group | | group | 0:1 | 0600 | contract-identifier-information-authorizing-government-rights |
| | If the Government rights in Technical Data code equal 'U' or 'N' then the element is blank else the element is non-blank. | | | | |
| __Data-Rights-Contract-Number | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Data-Rights-Contract-Date-Time-Group | | group | 1 | 0600 | contact-data-rights-date-time |
| __Date | | field | 1 | 0082 | contract-date |
| __Time | | field | 0:1 | 0160 | contract-time |
| __Sheet-Management-Group | | choice | 1 | 0600 | sheet-management |
| __Non-Sheet-Managed-Document-Group | | group | 0:1 | 0600 | non-sheet-managed-document |
| __Document-Representation-Group | | group | 1:N | 0600 | document-representation |
| __Document-Representation-Originator-Group | | choice | 1 | 0600 | document-representation-originator |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Group | | choice | 1 | 0600 | document-representation-custodian |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Office-Name | | field | 1 | 0044 | document-custodial-enterprise-office-name |
| __Document-Representation-Version-Group | | group | 1 | 0600 | document-representation-version |
| __Version-Identification-Group | | field | 1 | 0600 | version-identification |
| __Version-Date-Time-Group | | group | 1 | 0600 | version-date-time |
| __Date | | field | 1 | 0082 | document-representation-creation-date |
| __Time | | field | 0:1 | 0160 | document-representation-creation-time |
| __Alphanumeric-Version-Identifier | | field | 1 | 0208 | document-representation-version-identifier |
| __Version-Status-Group | | group | 1 | 0600 | version-status |
| __Version-Status-Code | | field | 1 | 0021 | document-representation-release-process-disposition-status-code |
| __Version-Status-Date-Time-Group | | group | 1 | 0600 | version-status-date-time |
| __Date | | field | 1 | 0082 | document-representation-release-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-representation-release-process-disposition-status-time |
| __Document-Representation-Medium-Code | | field | 1 | 0326 | document-representation-medium-identification-code |
| __Document-Representation-Medium-Group | | choice | 1 | 0600 | representation-medium |
| __Digital-Representation-Group | | group | 0:1 | 0600 | digital-document-representation-information |
| If Document representation medium code = 'D' then Digital representation group is non-blank else Digital representation group is blank | | | | | |
| __Digital-Representation-Target-Environment-Type-Code | | field | 1 | 0210 | document-file-type-code |
| __Target-Environment-Group | | choice | 0:1 | 0600 | target-environment |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Standards-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | standards-based |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Standards-Based-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Standards-Based-Document-Revision-Group | | choice | 1 | 0600 | standards-based-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revison-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revison-identifier |
| __Proprietary-Software-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | proprietary-software-based |
| __Proprietary-Software-Based-Identifier-Source-Group | | choice | 1 | 0600 | proprietary-software-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--------------|---|--------------|-------------|------|---|
| | __Company-Name | field | 0:1 | 0170 | enterprise-name |
| | __Enterprise-Identifier-Code-Group | group | 0:1 | 0600 | enterprise-identifier-code |
| | __Identifier-Code-List-Source-Certifier | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| | __Identifier-Code-List-Identifier-Code | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| | __Identifier-Code | field | 1 | 0329 | enterprise-identifier-code |
| | __Proprietary-Software-Based-Identifier | field | 1 | 0024 | product-identifier |
| | __File-Identification-Group | group | 1:N | 0600 | file-identification |
| | __File-Identifier | field | 1 | 0206 | electronic-document-file-identifier |
| | __File-Identifier-Source-Group | choice | 0:1 | 0600 | file-identifier-source |
| | __Human-Personal-Identifier-Group | group | 0:1 | 0600 | human-personal-identifier |
| | __Human-Personal-Identifier-Source | field | 1 | 0044 | human-personal-identifier-source-identifier |
| | __Human-Personal-Identifier | field | 1 | 0069 | human-personal-identifier |
| | __Enterprise-Identification-Group | choice | 1 | 0600 | enterprise-identifier |
| | __Company-Name | field | 0:1 | 0170 | enterprise-name |
| | __Enterprise-Identifier-Code-Group | group | 0:1 | 0600 | enterprise-identifier-code |
| | __Identifier-Code-List-Source-Certifier | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| | __Identifier-Code-List-Identifier-Code | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| | __Identifier-Code | field | 1 | 0329 | enterprise-identifier-code |
| | __File-Origination-Date-Time-Group | group | 1 | 0600 | File-origination-date-time |
| | __Date | field | 1 | 0082 | electronic-document-file-creation-date |
| | __Time | field | 1 | 0160 | electronic-document-file-creation-time |
| | __File-Description | field | 0:1 | 0212 | document-file-description-text |
| | __File-Compression-Method-Code | field | 0:1 | 0214 | document-file-compression-method-code |
| | __File-Type-Group | group | 1 | 0600 | file-type |
| | __File-Type-Code | field | 1 | 0210 | document-file-type-code |
| | __File-Type-Information-Group | choice | 0:1 | 0600 | file-type-information |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Standards-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | standards-based |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Standards-Based-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Standards-Based-Document-Revision-Group | | choice | 1 | 0600 | standards-based-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |
| __Proprietary-Software-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | proprietary-software-based |
| __Proprietary-Software-Based-Identifier-Source-Group | | choice | 1 | 0600 | proprietary-software-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---|--------------|-------------|------|---|
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Proprietary-Software-Based-Identifier | | field | 1 | 0024 | product-identifier |
| __Security-Protection-Group | | group | 1 | 0600 | security-protection |
| __Government-Security-Classification-Group | | group | 1 | 0600 | government-security-classification |
| __Government-Security-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Classification-Information-Group | If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non-blank | group | 0:1 | 0600 | classification-information |
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |
| __Downgrade-Information-Group | If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | group | 0:1 | 0600 | downgrade-information |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |
| __Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __Date | | field | 1 | 0082 | document-security-declassification-date |
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group If Copyright type equal 'N' then element is blank else element is non-blank | | choice | 0:1 | 0600 | copyright-owner-identification |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Copyright-Date-Time-Group If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank | | group | 0:1 | 0600 | copyright-date-time |
| __Date | | field | 1 | 0082 | document-copyright-date |
| __Time | | field | 0:1 | 0160 | document-copyright-time |
| __Distribution-Information-Group | | group | 1 | 0600 | distribution-information |
| __Distribution-Statement-Code-Group | | group | 1 | 0600 | distribution-statement-code |
| __Distribution-Statement-Code | | field | 1 | 0014 | document-distribution-statement-code |
| __Distribution-Statement-Reason-Code | | field | 1:N | 0015 | document-distribution-statement-reason-code |
| __Distribution-Statement-Information-Group If Distribution statement code equal "A" and the Distribution statement reason code equal "00" then the Distribution statement information group is blank else the Distribution statement information group is non-blank | | group | 0:1 | 0600 | distribution-statement-information |
| __Distribution-Statement-Determination-Date-Time-Group | | group | 1 | 0600 | distribution-statement-date-time |
| __Date | | field | 1 | 0082 | document-distribution-restriction-determination-date |
| __Time | | field | 0:1 | 0160 | document-distribution-restriction-determination-time |
| __Distribution-Controlling-Office-Group | | group | 1 | 0600 | distribution-controlling-office |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| __Drawing-Size | | field | 0:1 | 0112 | document-sheet-size-code |
| __Document-Representation-Group | | group | 1:N | 0600 | document-representation |
| __Document-Representation-Originator-Group | | choice | 1 | 0600 | document-representation-originator |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Group | | choice | 1 | 0600 | document-representation-custodian |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Office-Name | | field | 1 | 0044 | document-custodial-enterprise-office-name |
| __Document-Representation-Version-Group | | group | 1 | 0600 | document-representation-version |
| __Version-Identification-Group | | field | 1 | 0600 | version-identification |
| __Version-Date-Time-Group | | group | 1 | 0600 | version-date-time |
| __Date | | field | 1 | 0082 | document-representation-creation-date |
| __Time | | field | 0:1 | 0160 | document-representation-creation-time |
| __Alphanumeric-Version-Identifier | | field | 1 | 0208 | document-representation-version-identifier |
| __Version-Status-Group | | group | 1 | 0600 | version-status |
| __Version-Status-Code | | field | 1 | 0021 | document-representation-release-process-disposition-status-code |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|--|--------------|-------------|------|---|
| __Version-Status-Date-Time-Group | | group | 1 | 0600 | version-status-date-time |
| __Date | | field | 1 | 0082 | document-representation-release-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-representation-release-process-disposition-status-time |
| __Document-Representation-Medium-Code | | field | 1 | 0326 | document-representation-medium-identification-code |
| __Document-Representation-Medium-Group | | choice | 1 | 0600 | representation-medium |
| __Digital-Representation-Group | | group | 0:1 | 0600 | digital-document-representation-information |
| | If Document representation medium code = 'D' then Digital representation group is non-blank else Digital representation group is blank | | | | |
| __Digital-Representation-Target-Environment-Type-Code | | field | 1 | 0210 | document-file-type-code |
| __Target-Environment-Group | | choice | 0:1 | 0600 | target-environment |
| __Standards-Based-Group | | group | 0:1 | 0600 | standards-based |
| | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Standards-Based-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Standards-Based-Document-Revision-Group | | choice | 1 | 0600 | standards-based-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |

[illegible]

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|--|--------------|-------------|------|---|
| __Date | | field | 1 | 0082 | electronic-document-file-creation-date |
| __Time | | field | 1 | 0160 | electronic-document-file-creation-time |
| __File-Description | | field | 0:1 | 0212 | document-file-description-text |
| __File-Compression-Method-Code | | field | 0:1 | 0214 | document-file-compression-method-code |
| __File-Type-Group | | group | 1 | 0600 | file-type |
| __File-Type-Code | | field | 1 | 0210 | document-file-type-code |
| __File-Type-Information-Group | | choice | 0:1 | 0600 | file-type-information |
| __Standards-Based-Group | | group | 0:1 | 0600 | standards-based |
| | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Standards-Based-Document-Identifier | | field | 1 | 0266 | document-source-assigned-alphanumeric-identifier |
| __Standards-Based-Document-Revision-Group | | choice | 1 | 0600 | standards-based-document-revision |
| __Revision-Date-Time-Group | | group | 0:1 | 0600 | revision-date-time |
| __Date | | field | 1 | 0082 | document-revision-generic-date |
| __Time | | field | 0:1 | 0160 | document-revision-generic-time |
| __Alphanumeric-Revision-Identifier | | field | 0:1 | 0009 | document-alphanumeric-revision-identifier |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|--|--------------|-------------|------|---|
| __Proprietary-Software-Based-Group | If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | group | 0:1 | 0600 | proprietary-software-based |
| __Proprietary-Software-Based-Identifier-Source-Group | | choice | 1 | 0600 | proprietary-software-based-identifier-source |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| __Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| __Enterprise-Identification-Group | | choice | 1 | 0600 | enterprise-identifier |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Proprietary-Software-Based-Identifier | | field | 1 | 0024 | product-identifier |
| __Security-Protection-Group | | group | 1 | 0600 | security-protection |
| __Government-Security-Classification-Group | | group | 1 | 0600 | government-security-classification |
| __Government-Security-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Classification-Information-Group | If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non- blank | group | 0:1 | 0600 | classification-information |
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |
| __Downgrade-Information-Group | If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | group | 0:1 | 0600 | downgrade-information |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|---|---------------|--------------|-------------|------|---|
| _ Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| _ Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| _ Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| _ Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| _ Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| _ Date | | field | 1 | 0082 | document-security-declassification-date |
| _ Time | | field | 0:1 | 0160 | document-security-declassification-time |
| _ Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |
| _ Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| _ Copyright-Owner-Identification-Group <div>If Copyright type equal 'N' then element is blank else element is non-blank</div> | | choice | 0:1 | 0600 | copyright-owner-identification |
| _ Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| _ Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |
| _ Human-Personal-Identifier | | field | 1 | 0069 | human-personal-identifier |
| _ Enterprise-Identification-Group | | choice | 0:1 | 0600 | enterprise-identifier |
| _ Company-Name | | field | 0:1 | 0170 | enterprise-name |
| _ Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| _ Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| _ Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| _ Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| _ Copyright-Date-Time-Group <div>If Copyright type equal 'N' then copyright-date-time group is blank else copyright-date-time group is non-blank</div> | | group | 0:1 | 0600 | copyright-date-time |
| _ Date | | field | 1 | 0082 | document-copyright-date |
| _ Time | | field | 0:1 | 0160 | document-copyright-time |
| _ Distribution-Information-Group | | group | 1 | 0600 | distribution-information |
| _ Distribution-Statement-Code-Group | | group | 1 | 0600 | distribution-statement-code |
| _ Distribution-Statement-Code | | field | 1 | 0014 | document-distribution-statement-code |
| _ Distribution-Statement-Reason-Code | | field | 1:N | 0015 | document-distribution-statement-reason-code |

[illegible]

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---------------|--------------|-------------|------|---|
| __Document-Representation-Custodian-Group | | choice | 1 | 0600 | document-representation-custodian |
| __Company-Name | | field | 0:1 | 0170 | enterprise-name |
| __Enterprise-Identifier-Code-Group | | group | 0:1 | 0600 | enterprise-identifier-code |
| __Identifier-Code-List-Source-Certifier | | field | 1 | 0327 | enterprise-identifier-code-list-certifying-organization-identifier-code |
| __Identifier-Code-List-Identifier-Code | | field | 1 | 0328 | enterprise-identifier-code-list-identifier-code |
| __Identifier-Code | | field | 1 | 0329 | enterprise-identifier-code |
| __Document-Representation-Custodian-Office-Name | | field | 1 | 0044 | document-custodial-enterprise-office-name |
| __Document-Representation-Version-Group | | group | 1 | 0600 | document-representation-version |
| __Version-Identification-Group | | field | 1 | 0600 | version-identification |
| __Version-Date-Time-Group | | group | 1 | 0600 | version-date-time |
| __Date | | field | 1 | 0082 | document-representation-creation-date |
| __Time | | field | 0:1 | 0160 | document-representation-creation-time |
| __Alphanumeric-Version-Identifier | | field | 1 | 0208 | document-representation-version-identifier |
| __Version-Status-Group | | group | 1 | 0600 | version-status |
| __Version-Status-Code | | field | 1 | 0021 | document-representation-release-process-disposition-status-code |
| __Version-Status-Date-Time-Group | | group | 1 | 0600 | version-status-date-time |
| __Date | | field | 1 | 0082 | document-representation-release-process-disposition-status-date |
| __Time | | field | 0:1 | 0160 | document-representation-release-process-disposition-status-time |
| __Document-Representation-Medium-Code | | field | 1 | 0326 | document-representation-medium-identification-code |
| __Document-Representation-Medium-Group | | choice | 1 | 0600 | representation-medium |
| __Digital-Representation-Group | | group | 0:1 | 0600 | digital-document-representation-information |
| If Document representation medium code = 'D' then Digital representation group is non-blank else Digital representation group is blank | | | | | |
| __Digital-Representation-Target-Environment-Type-Code | | field | 1 | 0210 | document-file-type-code |
| __Target-Environment-Group | | choice | 0:1 | 0600 | target-environment |
| __Standards-Based-Group | | group | 0:1 | 0600 | standards-based |
| If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'STAND' then element is non-blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) = 'PLANG' then element is blank. If file type code (for file-identification-group) or Digital representation target environment type code (for document-representation-group) is not equal to 'STAND' or 'PLANG', then element may be non-blank. | | | | | |
| __Standards-Based-Identifier-Source-Group | | choice | 1 | 0600 | standards-based-identifier-source |

[illegible]

| Element Name | Business Rule | Element Type | Cardinality | DED | Role Name: |
|--|---|--------------|-------------|------|---|
| __Proprietary-Software-Based-Identifier | | field | 1 | 0024 | product-identifier |
| __Security-Protection-Group | | group | 1 | 0600 | security-protection |
| __Government-Security-Classification-Group | | group | 1 | 0600 | government-security-classification |
| __Government-Security-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Classification-Information-Group | | group | 0:1 | 0600 | classification-information |
| | If Government security class equals 'U' or 'FOUO' then the Classification information group is blank else the Classification information group is non- blank | | | | |
| __Classification-Authority-Text | | field | 1 | 0155 | document-security-classification-authority-text |
| __Classified-Date-Time-Group | | group | 1 | 0600 | classified-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-time |
| __Access-Restriction-Code | | field | 0:N | 0085 | document-security-access-restriction-code |
| __Downgrade-Information-Group | | group | 0:1 | 0600 | downgrade-information |
| | If Government security class not equal 'U', 'FOUO', 'C', 'NC' or 'NR' then the Downgrade information group is non-blank else the Downgrade information group is blank | | | | |
| __Downgrade-Classification-Code | | field | 1 | 0010 | document-security-classification-code |
| __Downgrade-Event-Date-Time-Group | | choice | 1 | 0600 | downgrade-event-date-time |
| __Downgrade-Date-Time-Group | | group | 0:1 | 0600 | downgrade-date-time |
| __Date | | field | 1 | 0082 | document-security-classification-downgrade-date |
| __Time | | field | 0:1 | 0160 | document-security-classification-downgrade-time |
| __Downgrade-Event | | field | 0:1 | 0156 | document-security-classification-downgrade-process-event-name |
| __Declassify-Date-Time-Group | | group | 1 | 0600 | declassify-date-time |
| __Date | | field | 1 | 0082 | document-security-declassification-date |
| __Time | | field | 0:1 | 0160 | document-security-declassification-time |
| __Copyright-Information-Group | | group | 1 | 0600 | copyright-information-group |
| __Copyright-Type | | field | 1 | 0012 | document-copyright-code |
| __Copyright-Owner-Identification-Group | | choice | 0:1 | 0600 | copyright-owner-identification |
| | If Copyright type equal 'N' then element is blank else element is non-blank | | | | |
| __Human-Personal-Identifier-Group | | group | 0:1 | 0600 | human-personal-identifier |
| __Human-Personal-Identifier-Source | | field | 1 | 0044 | human-personal-identifier-source-identifier |

[illegible]

[illegible]

APPENDIX E

ACQUISITION LIFE CYCLE PHASE AND PRODUCT DESIGN MATURITY STAGE REVIEW

E.1. SCOPE.

E.1.1 Scope.

This appendix reviews the acquisition cycle phases and the product design maturity stages. This appendix is not a mandatory part of this standard. The information contained herein is intended for guidance only.

E.1.2 Applicability.

For reference purposes.

E.2. APPLICABLE DOCUMENTS.

This section is not applicable to this appendix.

E.3. DEFINITIONS

The acronyms and definitions in section 3 of this standard apply to this appendix.

E.4. LIFE-CYCLE PHASES AND STAGES OF DESIGN MATURITY.

During each phase of the acquisition life cycle and stage of design maturity of the product (see Figure E-1), product and configuration management information products should be chosen using the tailoring guidelines in Table A-I, Appendix A. The headings in Figure E-1 are utilized as the primary header information in Table A-I. The following paragraphs briefly describe the activities typically attributable to each of the phases/stages.

| Acquisition Life Cycle Phase: | Program Definition & Risk Reduction | | Engineering & Manufacturing Development | Production, Fielding/Deployment, & Operational Support and Demilitarization & Disposal | |
|---------------------------------------|-------------------------------------|----------------------------------|---|--|--------------------------------------|
| Product Design Maturity Stage: | System Definition | Allocated Performance Definition | Design Definition | Production, Operations & Support | Post Production Operations & Support |

Figure E-1. Correlation of Acquisition Life Cycle Phases and Product Design Maturity Stages

E.4.1 Program Definition And Risk Reduction (PD&RR) Phase [System Definition Stage And Part Of Allocated Performance Definition Stage].

During the System Definition stage in PD&RR, the draft system performance documentation is usually finalized into a System Specification that is approved and placed under Government control at the end of the phase. Also during this stage, important top-level elements of the system are selected as Configuration Items (CIs), and the system requirements are allocated and expanded into draft CI performance documentation for each of these CIs. Most of the information requirements during this phase relate to the system documentation. [Modification/update projects and small, non-system development programs may have little or no System Definition activity and may not include a PD&RR phase. Their development effort will more likely begin with Engineering and Manufacturing Development (EMD) phase/Allocated Performance Definition stage activities.]

APPENDIX E

E.4.2 EMD Phase [Completion Of Allocated Performance Definition Stage And Of Design Definition Stage].

During the Allocated Performance Definition stage in EMD, the draft top-level hardware and software CI Performance Specifications are approved and placed under Government control while draft performance specifications for the lower-level CIs are generated and placed under contractor control. After the Government-controlled Allocated baselines for the top-level items are established, the product enters the Detail Design stage. During this stage, the design is finalized, hardware and software products are generated, and exhaustive verifications are conducted to ensure that the CI design has achieved the requirements in its Performance Specification. The lower-level CI performance specifications are usually left under contractor control until after the Functional Configuration Audit for the hosting CI has been completed. For Design-based acquisitions, the approval/baselining of the detail design documents (product baseline) by the Government, and the delivery of the detail design documentation to the Government, are usually accomplished as the closing activities of the EMD phase or the entry activities in the production phase. Most of the information requirements during this phase relate to the performance and design documentation for the CIs and the related verification testing procedures and results.

E.4.3 Production, Fielding/Deployment, And Operational Support And Demilitarization And Disposal Phase [Production, Operations And Support Stage And Post-Production, Operations And Support Stage].

During the Production, Operations and Support stage of the Production, Fielding/Deployment, and Operational Support and Demilitarization and Disposal phase, products and their support systems are produced and delivered to user activities. During this stage, the Government usually maintains a continuing contractual relationship with the contractor, which, over a period of years, continues to manufacture units for the operational inventory. This relationship provides a ready source for change/modification information and a ready channel for updates to data previously obtained from the contractor. On the other hand, when the product enters the Post-Production Operations and Support stage, this continuing contractual relationship usually disappears. During this phase, many design changes (updates and modifications to the existing design) will be examined, documented, and approved. These updates and modifications will result in projects for the development of new design elements that will undergo a life cycle process similar to the development of the original product. The CM information required will be basically the same as that required for a new development. Recommendations for Government CM information needs in this appendix assume that the modifications/ updates are treated as new developments and that the CM information will be obtained based on that premise. Changes/ modifications (and the related data) may be obtained from many different commercial or Government sources. Most of the information requirements directly resulting from production/operation/support activities during this phase relate to the configuration of the units as they are delivered and as they go through various maintenance and modification actions.

E.5. CONCEPTS.

E.5.1 Logistics Concepts.

The role that the buying organization will play in the logistics support of the product being bought will be a major factor in determining the amount and type of information that must be acquired. However, these logistics support considerations primarily affect information purchases that occur during the EMD phase and later. There are two basic approaches that are utilized in Table A-II in making recommendations about the buying activity's information needs.

E.5.1.1 Manufacturer Repair/Throw-Away (MR/TA).

Under acquisition reform, the Government expects that a considerable amount of the support will be provided by the manufacturing organization that delivered the units for the inventory. Under those circumstances, the buying and using organizations in order to maintain the units need little information; they are returned to the manufacturer, or thrown out, when they malfunction. (However, it is essential that the manufacturer maintain such information in order to accomplish various repair activities and to maintain traceability of components being removed and replaced.)

E.5.1.2 Customer/Contracted Repair (C/CR).

It is likely that there will be many cases where Government personnel will have a role in the checkout and repair of at least some of the malfunctioning units/subassemblies. Or, the Government plans may call for "contracting-out" the maintenance of at least some malfunctioning units to an organization other than the original manufacturer of the units. In both of these cases, it will be necessary for the Government to acquire considerably more information than in the MR/TA situation in order for the support to be effective.

APPENDIX E

E.5.2 Acquisition Concept.

Under acquisition reform, the preferred approach to acquisition is for the Government to control the performance documentation for the product while the contractor controls the design documentation for the product. Understandably, the Government will need to obtain much more information when it will control the detail design than when it will control the performance documentation. These differences are reflected by the recommendations in Table A-I for the two different situations.

E.5.2.1 Performance-Based (P-B) Acquisition.

The currently preferred approach to buying products is for the Government to define and control the essential performance and interface requirements for the product in performance specifications and to use those performance specifications to buy the production units. The Government may also purchase and control Source Control Drawings (which cite the Government-controlled performance specification for the product) as a means of facilitating competitive purchase of the product by qualifying sources. The detail design documents defining the design that meets those requirements remain under the contractor's control. However, once the program enters the Production, Fielding/Deployment, and Operational Support, and Demilitarization and Disposal phase, the Government may buy copies of the design documents for the elements of the product that it purchases as spares for its logistics support activities, along with the right to review changes approved by the contractor, to determine whether the Government desires/rejects the use of the changed design in production/spare units it purchases.

E.5.2.2 Design-Based (D-B) Acquisition.

Although not the currently preferred method under acquisition reform, many legacy programs are design-based (otherwise known as build to print) procurements and will remain so. Also, design-based procurements may be authorized for items where identical copies are essential. Design-based procurements always include some customer control over changes to the design of the product during the Production, Fielding/Deployment, and Operational Support, and Demilitarization and Disposal phase. This normally requires that the Government acquire the rights to the design upon the completion of development/Functional Configuration Audit (FCA) (or at some later program milestone) and be responsible for final approval of changes to the design documents from that point on. The "masters" become the property of the DoD, although the contractor is often paid to act as the custodian.

E.6. NOTES.

This section is not applicable to this standard.

APPENDIX E

CONCLUDING MATERIAL

Custodian
Army – AR

Preparing activity
Army-AM

Review Activities:
Army CMAG

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7, and send to preparing activity.
3. The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

I RECOMMEND A CHANGE:

1. DOCUMENT NUMBER

2. DOCUMENT DATE (YYYYMMDD)

3. DOCUMENT TITLE

4. NATURE OF CHANGE *(Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)*

5. REASON FOR RECOMMENDATION

6. SUBMITTER

a. NAME *(Last, First, Middle Initial)*

b. ORGANIZATION

c. ADDRESS *(Include Zip Code)*

d. TELEPHONE *(Include Area Code)*
(1) Commercial
(2) AUTOVON
(if applicable)

7. DATE SUBMITTED
(YYYYMMDD)

8. PREPARING ACTIVITY

a. NAME

b. TELEPHONE *Include Area Code)*
(1) Commercial (2) AUTOVON

c. ADDRESS *(Include Zip Code)*

IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT:
Defense Standardization Program Office (DLSC-LM)
8725 John J. Kingman road, Suite 2533 Ft. Belvoir, VA 22060-2533
Telephone (703) 767-6888 AUTOVON 427-6888